

APPENDIX B: AMINO ACID SEQUENCES

> RXA00013 (1-873, translated) 291 residues
 MEGMTNPEQT HPAASLEDMI KTITKTFVIA HDQDSDEHLA QALVYNAGRL AWRMRENGVD
 TDYKTSVSDV VTDADRAAEAA FVAGVLEALR PEDGVLGEEGADRASKSGKT WVIDPVDGTY
 NFTQGSDYWC SALALVEGDP SAPSRVLFGA VHRPAMGYTW FGPGIRTTL DGKELDLLVD
 APLNQISLAT YIHPSRIAEP DIQKAWMSVA THPATLRMFG AGSIDLANIA DGSMGAWVQH
 SVADWDWLPG RALIEGVGGA CIKVTAGGVE WSVAGNAEAV SEISETLSAL D

> RXA00014 (1-780, translated) 260 residues
 MSKYADDLAL ALELAELADS ITLDRFEASD LEVSSKPDML PVSDADLATE EALREKIATA
 RPADSLIGEE FGGDVEFSGR QWIIDPIDGT KNYVRGPVW ATLIALLDNG KPVAGVISAP
 ALARRWWASE GAGAWRTFNG SSPrKLSVSQ VSKLDDASLS FSLSLGSWAER DLRDQFVSLT
 DTTWRLRGYG DFFSYCLVAE GAVDIAAEPE VSLWDLAPLS ILVTEAGGKF TSLAGVDGPH
 GGDAVATNGI LHDETLDRLK

> RXA00030 (1-390, translated) 130 residues
 MRRIETSVFV DDQAKALDFY TTKEGFELKH DVTAGDYRWL TVVDPENPDG VQLLEPNQH
 PDAATYQAGI KRDGIPATQF YVDDVQEYD SLKDKGVDFI MEPTDVGPSV IAILODDTVGN
 LIQIVQLKQN

> RXA00032 (1-1509, translated) 503 residues
 MNTPQLNTE NLQEIASTSG VQIPAFNRAD VAPGIVHFGV CGFHRAHQAM YLNELMNEGK
 ALDWGIIIGMG VMPSDVRMRD ALASQDHLYT LTTKAPDGTL DQKIIIGSIID YVFAPEDPAR
 AVATLAQDSI RIVSLTVTEG GYNIDPATED FDHTNPRIVA DREALQAGDT STLQTFGGI
 TAALISRKES GSTPFTIMSC DNIQGNGDLA KRFFLAFAHS VSSELGEWVE NNVAFPNSMV
 DRITPETTDG DRDDIKEIGY IDAWPVVSED FTQWVLEDAT TQGRPAYEEV GVQVVSDVEP
 YELMKRLLN ASHQGLCYFG HLAGHHMVHD VMADTRFQDF LLAYMEREAT PTLKELPGVD
 LDAYRRQLIA RFGNAAVKDT VPRLCAESD RIPKWLLPVV RENLAAGRDX TLSAAIVASW
 ARYAEGTDEQ GNPIKIVDRL SERVQENASG NRTDILSFIR DRGIFGDLVD AEPFTKAYSE
 TLSSLHDREGA EATIDALLTQ VTV

> RXA00038 (1-1158, translated) 386 residues
 MSFAEHAIIW HVYPLGALGA PIRPEAPAPV THRLPNLIGW LDYVVELGCN ALMLGPVFES
 VSHGYDTLDF YRIDPRLGTE EDMDALLEAA NQRGIGVLFD GVFNVHSSSS KYLDLTTGAS
 FEGHDI LAEL DHTNPBVVDL VVDVMNHWLD RGIAGWRLDA VYAIAPFW KVLPEVRRKH
 PHAWIVGEMI HGDYSYDVKS SGIDSVTEYE LWKAIWSSIK ERNFFELEWT LSRHNEFLDT
 FVPQTFIGNH DVTRIATRIG QSNAI LFTVGGTPSI YYGDEQGFTG LKEDNVFGDD
 AIRPPLPAEF SPLGTWIENI YKALIALRRQ HPWLYQAHTE VLEIANEAMT YKSVGLGEE
 LTVHLDLEEV SVRILDGEKV LFQYSA

> RXA00041 (1-1242, translated) 414 residues
 MHTELSSLRP AYHVTTPQGR LNDPNGMYVD GTLHVYYQH DPGFPFAPKR TGWAHTTPL
 TGPQRQLQWTH LPDALYPDAS YDLDGCGYSGG AVFTDGTTLK FYTGNLKIDG KRRATQNLVE
 VEDPTGLMGG IHRRSPKNPL IDGPASGFTP HYRDPMISPD GDGWMVGLA QRENLTGAAV
 LYRSTDLENW EFSGEITFDL SDAQPGSAPD LVPGGYMWEC PNLFTRLDEE TGEDLDVLIF
 CPQGLDRIHD EVTHYASSDQ CGYVVGKLEG TTFRVLRGFS ELDGFHEFYA PQAVNGSDA
 WLVGWMLPA QDDHPTVARE GWVHCLTVPR KLHLRNHAIY QELLPEGES GVIROVLGSE
 PVRVDIRGNI SLEWDGVRLS VDRGGDERRVA EVKPGELVIA DDNTAIEITA GDGQ

> RXA00042 (1-759, translated) 253 residues
 MDIIICKDEQ EVGKAAAALI APFATKGGLT GLATGSSPLS TYQELIRMYE AGEVSFKNCK
 AFLLDEYVGL TRDDENSYFK TIRKEFTDHI DIVDEEVYSP DGANPDPYEA AAEYEAKIAA
 ESVDVQILGI GGNHGIAFNE PSSSLGLTK VQALHPKTVE DNARFFNTIE EVPTHALTQG
 LGTLSRAQNI VLVATGEGKA DAIRGTVEGP LTAMCPGSIL QMHNNATIIV DEAAASKLEN
 ADHYRLMEQL KLR

> RXA00043 (1-1164, translated) 388 residues

MAEVVHYQEN AGQAVKKIEG RIVTPHGVID GFLQLENGII TELSGEPAPK NAGFHPELPT
 IVPSFIDLHN HGGNGGAFPT GTQDQARNAQ QYHREHGTW MLASMSAPA DALAAQVENL
 IPLCEEGLLC GIHLEGPFIN ACRCGAQNPD FIFPGNPTDL AQVIHAGKGW IKSITVAPET
 DNLTELLDLC AAHHIASFG HTDADFDTTT SAIALAKEKN VVTATHLFN AMPPLHHRDP
 GSVGALLAAA RAGDAYVELI ADGVHLADGT VDLARSNNAF FITDAMEAAG MPDGEYILGV
 LNVTVTDGVA RL RDGGAIAG GTSTLASQFV HHVRRGMLI DATLHTSTVA AKILGLSDHE
 IVKSNPVNFV VFDSNGQLQQ VHLDHQVI

> RXA00055 (1-138, translated) 46 residues
 VDVVDIARWQ FGITTYYHFI FVPLTIGLAP LVAIMQTFWQ VTGKEH

> RXA00098 (1-1620, translated) 540 residues
 MADISTTQVW QDLTDHYSNF QATTLRELFK EENRAEKYTF SAAGLHVDSL KNLLDDATLT
 KLLALTEESG LRERIDAMFA GEHNNTEDR AVLHTALRLP AEADLSVDGQ DVAADVHEVL
 GRMRDFATAL RSGNWLGHTG HTIKKIVNIG IGGSDLGPAM ATKALRAYAT AGISAEFVSN
 VDPADLVSVL EDLDAESTLF VIASKTFTTQ ETLSNARAAR AWLVEKLGEV AVAKHFVAVS
 TNAEKVAEFG IDTDNMFGFW DWVGGRYSVD SAVGLSLMAV IGPRDFMRFL GGFHAMDEHF
 RTTKFEENVP ILMALLGVWY SDFYGAETHA VLPYSEDLSR FAAYLQQLTM ESNKGHSVHD
 GSPVSTGTGE IYWGEPGTNG QHAFFQLIHQ GTRLVPADFI GFARPKQDLP AGERTMHDLL
 MSNFFAQTKV LAFGKNAEEI AAEGVAPELV NHKVMPGNRP TTILAEELT PSILGALIAL
 YEHIVMVQGV IWDINSFDQW GVELGKQQAN DLAPAVS^GEE DVDSGDSSTD SLIKWYRANR

> RXA00148 (1-1998, translated) 666 residues
 MTSIPNFSDI PLTAETRASE SHNDAGKVV NTPEGIDVKR VFTQADRDEA QAAGHPVDSL
 PGQKPFMRGP YPTMYTNQPW TIRQYAGFST AAESNAFYRR NLAAGQKGLS VAFDLATHRG
 YDSDNERVVG DVGMAGVAID SILDMRQLFD GIDLSSVS VS MTMNGAVLPI LAFYIVAAEE
 QGVGPEQLAG TIQNDILKEF MVRNTYIYPP KPSMRIISNI FEYTSKLMMP FNSISISGYH
 IQFAGATADL ELAYTLADGI EYIRAGKEVG LDVDKFAPRL SFWWGISMYT FMEIAKLRAG
 RLLWSELVAK FDPKNAKSQS LRTHSQTSGW SLTAQDVYNN VARTAIEAMA ATQGHTQSLH
 TNALDEALAL PTDFSARIAR NTQLLLQQES GTVRPVDPWA GSYYVEWLTN ELANRARKHI
 DEVEEAGGMA QATAQGIPKL RIEESAARTQ ARIDSGRQAL IGVNRYVAEE DEEIEVLKVD
 NTKVRAEQLA KLAQLKAERN DAEVKAALDA LTAAARNEHK EPGDLDQNLL KLAVDAARAK
 ATIGEISDAL EVVFGRHEAE IRTLSGVYKD EVGKEGTVSN VERAIALADA FEAEEGRRPR
 IFIAKMGQDG HDRGQKVVAS AYADLGMVDV VGPLFQTPAE AARAADVADW HVVGMSLAA
 GHLTLL

RXA00149 (1-1848, translated) 616 residues
 LTDLTKTAVP EELSENLETW YKAVAGV FAR TQKKDIGDIA VDVWKKLIVT TPDGV DINPL
 YTRADESQRK FTEVPGEFPF TRGTTVDGER VGVGVETFG HDSPKNINAA VLNA LNSGTT
 TLGFEEFSEEF TAADLKVALE GVYLNMAPLL IHAGGSTSEV AAALYTLAEE AGTFFAALT
 GSRPLTAQVD GSHSDTIEA VQLAVNASKR ANVRAILVDG SSFSNQGASD AQEIGLSIAA
 GVDYVRLVD AGLSTEALK QVAFRFAVTD EQFAQISKLR VARRLWARVC EVLGFP ELAV
 APQHAVTARA MFSQRDPWVN MLRSTVAAFA AGVGGATDVE VRTFDDAIPD GPGVSRNFA
 HRIARNTNLL LLEESH LGHV VDPAGGSYFV ESFTDDLAEK AWAVFSGIEA EGGSYACAS
 GTVTAMLDQT WEQTRADVAS RKKKLTGINE FPNLAESPLP ADDRVEPAGV RRWAADFEAL
 RNRSDAFLEK NGARPQITMI PLGPLSKHNI RTGFTSNLLA SGIEAINPG QLPGTDAFA
 EAAQAAGIVV VCGTDQEYAE TGEGAVEKLR EAGVERILLA GAPKS FEGSA HAPDGYLNMT
 IDAAATLADL LDALGA

> RXA00195 (1-561, translated) 187 residues
 VTKKILILGS TGSIGTQALD VIADNSDKFE VVGIAAGGSQ PDLVISQAQQ LGLAADKVAV
 ADAQAAAVIS KALGGEIISG TDAAKILVET TKADTVNL VGSIGLAATL ATLESGAHLA
 LANKESLVAG GEFVTSKAKL GQIIPVDSEH SAMAQCLRSG TRDEVARIVL TASGGPFRAG
 PGRRRCGR

> RXA00196 (1-615, translated) 205 residues
 MWEVTPEQAA AHPTWAMGQM NTLNSATLIN KGLELIEATL LFETDADLID VTVHPQSIH
 SMITFTDGAT IAQASPPSMK LPIALALDW HRVPKAQPAL DFTAAHTWAF EPVDDAAFPA
 VQLARHVAKQ KGTYPAVYNA ANEEAAE AFL RGRIKFPQIV DVVDEV LQGA SQFAGVASHV
 DDILATESEA RARANALINR LATNL

> RXA00202 (1-942, translated) 314 residues
 MYARKLIALS ASVVLAFSLS ACNRESSGTS ADGGSADGSI TLALSTQTNP FFVQLRDGAQ
 EKADELGVTL NVQDASDDAA TQANQLNNAV TTGAGVVIVN PTDSDAVVPs VEALNQADIP
 VVAVDRSSNG GEVASFVASD NVAGGAQAAA ALAEAIGGEG EILMLQGIAG SSASRDRGQG
 FEEEEIAKHEG ISIVAKQTAN FDRGEGLDVA TNLLQAHPNV KAIFAENDEM ALGAIEALGA
 RAGEDVIVVG FDGTNDGLAA VEDGRMLATV AQQPEELGAK AVEEAAKLLR GEDAETEVPV
 EVVTVKLDNV ADFK

> RXA00206 (1-1038, translated) 346 residues
 MEDMRIATLT SGGDCPGLNA VIRGIVRTAS NEFGSTVVGY QDGWEGLLGD RRVQLYDDED
 IDRILLRGGT ILGTGRLHPD KFKAGIDQIK ANLEDAGIDA LIPIGGEGTL KGAKWLSDNG
 IPVVGVPKTI DNDVNGTDF FGFDTAVAVA TDAVDRLHTT AESHNRMIV EVMGRHVGWI
 ALHAGMAGGA HYTVIPEVPF DIAEICKAME RRFQMGEKYG IIIVVAEGALP REGTMELREG
 HIDQFGHKTF TGIGQQIADE IHVRLGHDRV TTVLGHIQRG GTPTAFDRVL ATRYGVRAAR
 ACHEGSFDKV VALKGESIEM ITFEEAVGTL KEVPERWVT AQAMFG

> RXA00224 (1-951, translated) 317 residues
 MSISYVLVEQ LDGRPEPVTL ELITAARALG DVVAVVVGEP GAGVNLAEL GNWGAAQVVS
 AEISGASNRL ILPAVDALHI LAANNPGPIV IAATASGNEI AGRLAARLAS GVLTDVVGIN
 ADRTAQQSIF GDTIQVSAAV GGASPLYTLR PGALDGAVP ATGELATIEI PGATAKDVTI
 TSFTPSTQSD RPELPQAKVV IAGGRGVGSE ENFRSIVEPL ADALGGAVGA TRDAVDLGYY
 PGEYQVGQTG VTVSPDLYIG LGISGAIQHT SGMQTAKKVI VINNDEDADI FQIADLGVVG
 DLFDIAPALI EEINKRK

> RXA00225 (1-786, translated) 262 residues
 MSTIVVLVKN VPDTWSKRTL EADFTLDREG VDRVLDEINE FALEQALRLR ESNPDAGYRV
 VALSAGPAGG EEALRKALSM GADEAIQLSD DALAGSDLLG TAWALNNAIN TIAGVALIYT
 GSASSDGSMG ALPGVLAEYR QVPALTNLSA LKVEGASITA TRIDNHGTYE LQAALPAVVS
 ISDKADKPRF PNFKGIMAAK KAEIKKLSLA EIGVAPEQVG LSHAATAVTA AADRPERSQG
 DVIGASGAAE KIAEYLASEN LI

> RXA00235 (1-1275, translated) 425 residues
 VAEIMHVFAR EILDSRGNPT VEAEVFLDDG SHGVAGVPSG ASTGVHEAHE LRDGGDRYLG
 KGVLKAVENV NEEIGDELAG LEADDQRLLID EAMIKLDGT A NKSRLGANAI LGVSMAVAKA
 AADSAGLPLF RYIGGPNAHV LPVPMMNIIIT GGAHADSGVD VQEEMIAPIG AETFSEALRN
 GAEVYHALKS VIKEKGSLTG LGDEGGFAPS VGSTREALDL IVEAIEKAGF TPGKDIALAL
 DVASSEFFKD GTYHFEGGQH SAAEMANVYA ELVDAYPIVS IEDPLQEDDW EGYNLTATI
 GDKVQIVGDD FFVTNPERLK EGIAKKAANS ILVKVNQIGT LTETFDAVDM AHRAGYTSMM
 SHRSGETEDT TIADLAVALN CGQIKTGAPA RSDRVAKYNQ LLRIEQLLGD AGVYAGRSAF
 PRFQG

> RXA00246 (1-1035, translated) 345 residues
 MTTAAPQEFT AAVVEKFGHD VTVKIDILPK PGPHQALVKV LTSGICHTDL HALEGDWPVK
 PEPPFVPGHE GVGEVVELGP GEHDVKVGDV VGNAWLWSAC GTCEYCITGR ETQCNEAEYG
 GYTQNQSGFCQ YMLVDTRYAA RIPDGVDYLE AAPILCAGVT VYKALKVSET RPGQFMVISG
 VGGGLGHIAVQ YAAAMGMRVI AVDIADDKLE LARKHGAET VNARNEDSGE AVQKYTNNGA
 HGVLVTAVHE AAFQALDMA RRAGTIVFNG LPPGEFPASV FNIVFKGLTI RGSLVGTRQD
 LAEALDF FAR GLIKPTVSEC SLDEVNGVLD RMRNGKIDGR VAIRF

> RXA00251 (1-708, translated) 236 residues
 MKKKIAVVTG ATGGMGIEIV KDLISRDHIVY ALGRNPEHLA ALAEIEGVEP IESDIVKEVL
 EEGGVDKLKN LDHVDTLVHA AAVARDDTIE AGSVAEWHAH LDLNVIVPAE LSRQLLPALR
 AASGCIVIYIN SGAGNGPHPG NTIYAASKHA LRGLADAFRK EEANNGIRVS TVSPGPTNTP
 MLQGLMDSQG TNFRPEIYIE PKEIANAIRF VIDAGETTQI TNVDVRPRIE LADRKD

> RXA00268 (1-831, translated) 277 residues
 MARGFFLGAT AGRTTLTGEG LQHMDGHSPV LASTNEGVT YDPSFAYEIA HLVHRGIDRM
 YGPGKGEDVI YYITIYNEPT PQPAEPEGLD VEGLHKGIYL YSRGEGTGHE ANILASGVGM

QWALKAA SIL EADYGVRANI YSATSWVNLA RDGAARNKAQ LRNP GADAGE AFVTTQLKQT
 SGPYVAVSDF STDLPNQIRE WVPGDYTVLG ADGFGFSDTR PAARRFFNIID AESIVVAVLN
 SLAREGKIDV SVAAQAAEKF KLDDPTSVSV DPNAPEE

> RXA00288 (1-1011, translated) 337 residues
 MSAQM DTPDP TMSAVAM LDS IPSDQP DFLI DVEVDRPTPG PHDLLVHIEA VSINPVDTKV
 RMRAGKQKHP KILGFDAAGE VVAVGSQVTL FNVGDKVFYA GSNQRPGSNA EYQVVDERLV
 GHAPQSLGAH DAAALPLVAL TAWESLFDR L GVTQSTGT L LVLGGSGGPV SALIQLARAL
 TGLKVVATAS RPESQEWTK LGAHEVIDHS KDLSEQISDV DFVFSWTTG REVELATLMK
 PQSHLVLIDD PVDPNLGAFK QKAIALHW EF MFTRAMFNTP DMGEQGKILN KIADMVDRGQ
 FESVTATVLD GLNAANIM EG HRLVEQGKTS GKIVVRRV

> RXA00290 (1-963, translated) 321 residues
 MTIDLQRSTQ NLTHEE IFEA HEGGKLSISS TRPLRDMRDL SLAYTPGVAQ VCEAIKEDPE
 VARHTTGIGN TVAVISDGTA VLGLGDIGPQ ASLPVMEGKA QLFSSFAGLK AIPIVLDVHD
 VDALVETIAA IAPSFGAINL EDISAPRCFE VERRLIERLD IPVMHDDQHG TAVVILAALR
 NSLKLLDRKI EDLKIVISGA GAAGVAAVDM LTNA GATDIV VLDSRGIIHD SREDLSPVKA
 ALAEKTNPRG ISGGINEAFT GADLFIGVSG GNIGEDALKL MAPEPILFTL ANPTPEIDPE
 LSQKYGAIVA TGPVLTCLTR S

> RXA00293 (1-912, translated) 304 residues
 MKIFVGFGDY PLTTKALKEA GAEIVDSLEK AEGFVFTQTP GTEFPLLPG VRWVQFPNAG
 LNAYFTAGQI DDKRRWSNAS G VYQQVAEA AMALLGLIH MHPTMVRADS WAPSTQIDQQ
 TRWLDGATVA IVGAGGIGKH LAAMLKPFGA KSLAVSRGT PTQDFDATEP ISNLHQVLAD
 ADHVVI CVPL TADTYHLIGK AELKAMQSTA ILINVARGEV VDTEALVDAL DAQEISGAGL
 DVTDPEPLPD DHPLWGRSNV IITPHVANTL TSMDRMLAPV VAENYRRFLA GEKMLTEVDI
 HKGY

> RXA00296 (1-2835, translated) 945 residues
 TIKFNRLDE VFSQHSRAKL RTDMTTRAAY SSDAGIFRRV PAAVAEPENV EQIRDAIAVA
 VARGWSVVGR GGGSSVAGNA IGEGLI IDTS RYFNRIIDID PVAQTA VVEP GVVC DALRDA
 AAEFGLTYGP DPSTHSRCTI GGMVANNACG SHSVAFTAA ENLVDVTML SDGREVTVT
 DG CDDAEINO KLTDLASKNO DLISKELGRF PROVSGYGLH YLAHDMAKAM AGTEGTIGII
 TRLTVKI VPT PKVKALAVLA FDTV FDAARA AAKLRLPGVA TIEGMGGDILL AALRSKQGQS
 EAGQNLPGNR IGIEAGGWLY CETGSDTLQA AVQAAEEVAT AVDTIDYVVV SEPSEMRELW
 RIRESSAGIV TRLADGGEAW PNWEDSAVPP ENLADYLRLD YALMDKF DYQ GIPFGHFGEG
 CVHVRISFDF STKEGLKKFE AFMNEASTLV ASYGGSLSGE HGDGRARSSF LDRMYS AEMR
 ALFEEFKLIF DPQRIFNPVG LVWADPVMQG LRMDPGQRAL DITPVHKFSK DKGS MINAVN
 RCVGV SACRS ESDAMCP SFQ ITGDEVHSTR GRARLLSEMF RGESIADGYR SEEVNEALDL
 CLSCKACASE CPVN VDMSTY KAEFLDKHYA GRLRPMAHYV MGWLPLLGHV AHKIP PLLPTL
 IDATMQSALT APVVRKVGGI ADRPLISFAH RSLRKYKPKK NSGETVVLWP DSFNTN LDTG
 PAHAAIKTLE ALGYNVVI PD GFVCCGLTW STGQLSMTKK VLEQTA KV MK PYLDQGLTVV
 GLEPSCTVML QDEATELSDN PDLARLAALT KPFAEVIAPK ITELVESGSL QLTESTALTQ
 VHCHERSL GD PQQSALVLEA LGVKDEQIAT GCCGLAGNWG FEKDHAEMSF ALGEREL FPK
 VRKAEGHVIA DGFSCRTQIE QGTGKQATHL AEVVL SILEQ NNMAQ

> RXA00309 (1-312, translated) 104 residues
 MGQCTVALYR EHSYYTATPW RGTWAADGGG VLMTQAIHYI DLLYWLLGEP VEVFGY TNF
 KHGDNIEVED SAVATVRFES GALATISATT AAEPALGAQV QVMG

> RXA00310 (1-435, translated) 145 residues
 MSDKIWKVGI ICGCAISRNH IEAVQAI PG A EVSAVCDV DG AKASETA AKY GISPSFTSVD
 EILASGV DIV AVCTPHPTHE TVVLA AAAAG VHVLCEKPIA IELDSAQRMI DACESAGVQL
 GVLFQRRFWP AAQKMKKEPS WANAR

> RXA00317 (1-339, translated) 113 residues
 VTTPSKKTLL FDLDGTLVDS FPGIRTSFLH TLHEKNWEIP SEERISQVPG PPMEWTFQDL
 GMTPEQAQDA LQTYLEHYGQ VGWDLSEAFP GM RDLLIPLI YEGFRLCTAT FQG

> RXA00327 (1-384, translated) 128 residues
 MIQAALWIVL FLFADRLSNP LVFVSAIMFA ISFSSPVANF GFDTICEKLD RRVMVAGTGM
 ANMSAYICAM LATQIIGFL LWNADGHAYT WSNFQVAWL LGAVWLAGMI GLAVCLLQR
 RKNIAFRR

> RXA00328 (1-492, translated) 164 residues
 VGVERGKVSA KALVVWLTA CVYIVAIAGR TSFGVAGVHA IDRFDIDASR LAVFTSVQVG
 VYVLAQIPMG MLVDRFDARK LLLAGALILA AGQLILGFTD SYMIAIFARV LISVGDSAAF
 LSVMRLLPNW FPMSWTPVLQ QLTGAFGFVG QFSPRCRFCT YSTP

> RXA00329 (1-1224, translated) 408 residues
 MAAITSRTSF GVAGVEAIDR FQVDATRIAV FTSVQGVY FAQIPMGILI DKFGPRKLLA
 IGALVMGIGQ LILGFTDSYS IAIARIARVFIG AGDASIFLSV MRILPFWFPL KHTPIFTQLT
 TCLGQLGQFF SAVPFMALLG AQGWGVAFVS LGSVVALIAI AALVAVRDTP DPQPKPVESA
 QEADKPSLRA SLKLIVRNPI TWQGFFIHVV LMVWQTVFSM MWGVPLMTLG MGLSATTAGL
 VLSINTLCMV VSAPIIGIIS ARLGYRRDVV AIALSFVQSA VWLVFLASDA PRGLMAIILV
 NIVMGLTTAA SGYGFDTIRE RLDRKILAAG TGLANMGGFL SSMVAAQVMG FLLDHSAHGS
 TYTWVDFRFG FLAILVTWAV GVTGFVVARL KGGPGRRLLA QIRSTKDF

> RXA00340 (1-1146, translated) 382 residues
 VKLVIEADGG SRGNPGVAGS GTVVYSDNKA EVLKEIAYVV GTKATNNVAE YRGLEGLKA
 ARELGATSV D YMDSKLVVE QMSGRWKIKH PDMKVLAIEA KEIASEIGSV SYTWIPREKN
 KRADALSNA MDAAAAGKPV GVVGDSASVS SASSVAGSEK EDLNCTETKP TNWNGATTDP
 TRFLLLRHGQ TAMSVARLYS GRNSPELSEL GEKQAAAAR RLAQTGGIDA IVSSPLTRTM
 QTAEAAAAAL GMKVRVIDDL IETDFGLWDG KSFSEAHEQD PELHTKWLT SSVAPPGES
 LQTVNRRVKK ARESLQREYG AANVLVVSHV TPIKAIMRQA LDAGPSFFQK AHLDLASLSI
 AEFYEDGPTC VRLFNDTSHL EA

> RXA00379 (1-207, translated) 69 residues
 MSEIVVAQSI QQQFADVAAS GPLFLGILAA ALAGLVSFAS PCVVPLVPGY ISYLAGVVGG
 EVEYSAHAT

> RXA00381 (1-606, translated) 202 residues
 MTQTIVHLVR HGEVHNPEKI LYGRMPGYRL SSRGRSQAAR TAASFEGHDV TYIASPLQR
 VQETSEPFIK VTGLELITDE DLLEAGNRFE GLRTKGWRSQ LWNPVRWPLM YNPTLPSWGE
 HYTDILERMM AAVERARVAA EGHEAILVTH QLPIVCVQRH ARGQSLSHNP ATRQCDLASV
 TSLVFQDDQI VGVHYNEPAQ EI

> RXA00385 (1-339, translated) 113 residues
 LGGVFALGWT PCLGPTLAII ISISAGTEGM TAARGVILIV GYCLGLGLPF LLIALGSSKA
 LTGVEWLRKH SRTLQIIGGV FLILGVALL SGSWAIFINW VRQWTVEYGA TLL

> RXA00386 (1-510, translated) 170 residues
 MLPVNQTYAQ FSDTAFVSAY IIYVLALILS LVYYVKQQGI IDARREQTRV SELVGAGGSA
 DVDTLPDDI ADGVLADEDL AKREETARKL ANMTQLSMWL GVMVHLSVV MRALSASRFP
 FGNLYEYILM VTLFAMIGAV LILQRPQFRV VWPWILOPMA GTWFSTVAPS

> RXA00388 (1-303, translated) 101 residues
 TLDNLAYKTA IWTVPIFGLG IILGAIWAEA AWGRFWGWDP KETVFSFITWV LYAGYLHARA
 TAGWRNTNAA WINILALVTM IFNLFFINMV VSGLHSYAGL N

> RXA00406 (1-975, translated) 325 residues
 DPVEVAADTQ EMIITRIIDN ASVQAASVLR RPVSSARAMA QVRPVTDGRG ASVFGLPGRY
 AAEWAALANG TAVRELDHFHD TFLAAEYSHP GDNIPIILAA AQQAGKGGKD LIRGIATGYE
 IQVNLVRGMC LHEHKIDHVA HLGPSAAAGI GTLLDDLVDT IYQAIGQALH TTTATRQSRK
 GAISSWKAFA PAFAGKMSIE AVDRAMRGEAPSPIWEGED GVIAWLLSGL DHIYTIPLPA
 EGEAKRAILD TYTKEHSAEY QSQAPIDLAR SMGEKLAQG LDLRDVDSIV LHTSHHTHYV
 IGTGSNDPQK FDPMASRETL DHSIM

> RXA00427 (1-432, translated) 144 residues

LLPGIASLFN GALISAYAME RIGVPDYRLF IRGDEVEYHR RLVRSGLPFG TCLTTAYLHP
 DGSDEFKPIL GGRMHTQYPD NDFKRFFTYR NRGYLMSPQG MRKLLPQEYA RFAWFLVQK
 RDVKGFREWL RLHKLGRDEK FNRP

> RXA00483 (1-1464, translated) 488 residues
 VLVTGATGYI GGRLITELLA AGFQVRATSR KKTSLORFDW YEDVEAVEAD LTDATELDL
 FKDVDDVVYYL VHSMGGKNVD FEEQEQRQAE NVIQAADQAG IKQIVYLSGL HPRNRKIEEL
 SKHMRSRKEV AQILLAGQTP ALILRAATII GSGSASFEII RHLTERLPRM IAPQWITNQI
 EPLAIRDVVLH YLISAADLKD PVNRSCDIGC GKSYEFADELL RIYADVRGLK RHVNSVPLNL
 PMDKLGLWI SLVTPVPEQL SFPLAQSMAE DAVTEEHSIK DIISDPPDGFI EYREAVELA
 LAAEFDRGVP TSWDRSWTQ QPWAGQPTDP EWAGKAVYED VRTEDTDLRA AQVWPIIEGL
 GGVNGWYSAP LLWRLRGIAD RLIGGPGLGG RRDPRHLKLG DRIDWWRVTE IDPPHRLVLT
 AEMKVDDGAW LILEVADKEN GGCTYTQRAI FEPKGLPGYL YWWVVSPFHA IIFPYMRSNI
 LKAARKLT

> RXA00511 (1-513, translated) 171 residues
 ELRKNTLVGT VMSNLGLKIA MDEAGITLRT TKVGDRYVLE DLNAGGFSLG GEQSGHIVLP
 DHGTTGDGTL TGLSIMARMA ETGKSLGELA QAMTVLPQVL INVPSDKST IVSHPSVVA
 IAEAEAAELGA TGRVLLRASG TEELFRVMVE AGDKEQARRI AGRLAAVVAE V

> RXA00512 (1-618, translated) 206 residues
 MSSATTTDVR KGLYGVIAFY TAVSKVMPET NSLYRGYAV EDLVENCSFE EVFYLLWHGE
 LPTAQQLAEOF NERGRSYRSL DAGLISLIHS LPKEAHPMV MRTAVSYMGT KDSEYFTTDS
 EHIRKGHTL LAQLPMVLAM DIRRRKGLDI IAPDSSKSVA ENLLSMVFGT GPESPASNPA
 DVRDFEKSLI LYAEHSFNAS TFTARV

> RXA00514 (1-408, translated) 136 residues
 HERSYAPERL LRRETIELWN KISTVEDPEW TRRYHSVDPA EKAFCGARAVI TFKDGTVVED
 ELAVANAHPL GARPFAREQY IQKFRTLAEV VVSEKEQDRF LDAAQRTHEL EDLSELNIEL
 DADILAKAPV IPEGLF

> RXA00517 (1-1041, translated) 347 residues
 MPEVTVNAQQ LTVLCTDILT KTGVPAADAH LVGDSLQAD LWGHPSHGVL RLPWYVRRRH
 SGAMTTHAHV EVLNDLGAFL ALDGHNIGQ VLADHARKEA VTRAMMFGIG AVSVRNSNHF
 GTAMYTRKA AAQGCVSILT TNASPAMAPW GGREKRIGTN PWSIAAPFGE TATVVDIANT
 AVARGKIYHA RQTNMPIPET WAITSEGAPT TDPAEAINGV VLPMAHKGY AISFMMDVLS
 GVLTGGSQHST KVHGPYDPTP PGGAGHLFIA LDVAAFRDPO DFDDALSDLV GEVKSTPKAQ
 NTEEIFYPGE SEDRAHRKNS AHGISLPEKT WMELQELAIE NHVVTHR

> RXA00518 (1-297, translated) 99 residues
 VLPVLAARHD GEKWVAMYEN MRDAMDARTG IKPNLDFPAG PAYHLLGFPV DFFTPLFVIA
 RVAGWTAHIV EQYENNNSLIR PLSEYNGEEQ REVAPIEKR

> RXA00521 (1-1059, translated) 353 residues
 LDAADEVQIK HIAADGTETI LKDSLKLLEG EVLDGTVLSA KALDAFLLEQ VARAKAEGIL
 FSAHLKATMM KVSDPIIFGH VVRAYFADVQ AQYGEQLLAA GLNGENGLAA ILSGLESLDN
 GEEIKAafeK GLEDGPDLAM VNSARGITNL HVPSDVIVDA SMPAMIRTSG HMWNKDDQEQ
 DTLAIIPDSS YAGVYQTIVIE DCRKNGAFDP TTMGTVNVG LMAQKAEYEG SHDKTFRIEA
 DGVVQVVSNN GDVLIEHDVE ANDIWRACQV KDAPIQDWVK LAVTRSRLSG MPWFWLDP
 RAHDRNLASL VEKYLADHDT EGLDIQILYD VEATQLSIDR IRRGEDTISV TGN

> RXA00606 (1-1749, translated) 583 residues
 MASVPPLLGF VSKEGMITAF MDAPIGNSYV VLLLVGAAG AVLTFTYSK LVLCAFVDGP
 RDMSHVKEAP VSLWLPAAALP GLMSLPLVLS LSLFDAPVSA AATSAAGEAA HMHLALWHGI
 NTPLLISLGV LVAGILGVLF RKELWKIAET SPFPIATGND ILSMLVYRAN LLGKFFGRMA
 DSMSPRRHIV SLIVLLWALA AFATIHPSVQ LAPKQPGIDR WIDLIPLAII ALSVFGLLTT
 RNRLSAAVVLV GTVGVGVSFQ MLLLGAPDVA LTQFLVEGLV VVIIMMVVRH QPANFKRIKP
 SRRRSTVLVA VLAFAAFMA VWGLLGRHER SELAMWYLNQ GPEITSGANV VNTILVEFRA
 LDTLGELSVL GMAAVVIGAM VASMPRHPFA KGTHPRPFGQ SQLNSIPLRM LLKVLVPALC
 FLSFMVFMRG HNDPGGGFIA ALIAGGALML LYLSKAKDGR IFRPNVPFIL TGAGILMAV

SGVLGLTHGS FLYAIHFNFV GQHWTTSMIF DLGVYLAVALG MVSMAINGLG GYLPGTDNA
DLDYARRSGP LPATPTVEPE PEGDEDWPEP INPAGDNKEE ANR

> RXA00608 (1-765, translated) 255 residues
MAMDVLLPIF VAVPLAASAI AVLPWRLIR DILHIIVPFA GIFAGIWLFA HTAEHGPIAH
NVGLYVGGA IPFAADTFSA IMILITTSIVA VAANWFATIV GETRARFYPA LTLMILITGVN
GALLTADLFN FFVFIEVMLL PSYGLIAMTG TWARLASGRI FVLVNLAST LLVAGVGIVY
GVIGSVNIAA LQDVVEGNPL VASAMGIVVI AIAVKAGVFP VHTWLPRTPY GTSAAVMGLF
SGLHTKVAVY MLYRI

> RXA00635 (1-921, translated) 307 residues
GTDFPYSDFL PKDNVAQVDI NGAHIGRRTT VKYPVTGDVA ATIENILPHV KEKTDRSFLD
RMLKAHERKL SSVVETYTHN VEKHVPIHPE YVASILNELA DKDAVFTVDT GMCNVWHARY
IENPEGTRDF VGSFRHGTMA NALPHAIGAQ SVDRNRQVIA MCGDGGLGML LGELLTVKLH
QLPLKAVVFN NSSLGMVKLE MLVEGQPEFG TDHEEVNFAE IAAAAGIKSV RITDPKKVRE
QLAEALAYPG PVLIDIVTDP NALSIPPTIT WEQVMGFSKA ATRTVFGGGV GAMIDLARSN
IRNIPTP

> RXA00679 (1-1266, translated) 422 residues
MNTSAETGIL IIGANQSGVQ LAISLRATGF TESITLLGEE DHRPYQRPAL SKEFLQDKID
KERLIFRSNE YWEENNIRLV KGVRIERIEK NDDGSGVAYG AGQEFAFRR ALAVGARPRH
LDLPGATLEG VTYLRNADDA LALKAMIGSV TDAVVVGFF IGLEAACSLH DLGKNVTVLE
YGPRLIGRAV GEETAAFFLE QHRSRGVNIV LDARMKQFVG KDGKLSGIEL EDGTVIPAQL
VIVGIGVIPN TELAAVLGLD INNGIVVDKH AVASDGTIA IGDVANIPNP IPGSPADERI
RLESVNAIE HAKIAAYS LV GQPEAYAGIP WFWSNQGDLK LQIAGLTLGY DSTVIRQDPE
KKKF'SVLYYR GDNIIAADCV NAFLDFMAVR SALSRNQNIP ADLAADISQP LKKLAVDLEV
TR

> RXA00680 (1-318, translated) 106 residues
MSTIHIFIDHA GKTRTIEATV GDSVMETAVR NGVPGIVAEC GGSSLSCATCH VFVDPAQYDA
LPPMEEEMEDE MLWGAAVDRE DCSRLSCQIK VTEGMDLSLT TPETQV

> RXA00682 (1-1899, translated) 633 residues
MANKSFPKPS DLPPVKGAEG WEDLYPYLV FQDKLMDQEN EKFWFCDSQH WPTVFKPFET
JGGEFAVKCL GQYNARHLMN PNANGIEFRV HLGYLYMSPI PVPEDQIAER VPMFQERITH
YFQNWEPMIA NWKERVLGTT NELESLEFKP LPDYVPIDDI VSGKAKDGTE VLMENFDRLI
QLAYQNWQYH FEFLNLGYIA YLDFNFCKE VFPDIPDQSI SMMVQGVDMF LFRPDDDELKI
LAQLAVDLGL QTHFANPDDP QATLAAIAKA EGGATWIARW EEAQDPWFNF TVGNGFYGH
KYWIEHLELP LGYIADYIIRR LDEGQTISRP KDELIAEKER VVEEYRDLLD GEQLAQFDAK
CGLAATAYPY VENHNFYIEH WTMSFWRKV RELSRTLQGY GFWEINEDML YLNRTEVRDV
LFDLATAWGV GAPGGPIGTI IWPEEIERRK AIVTALKTAR PAPALNTPPE SITEPFTML
WGITTTEQVQS WLGNDEDAEE GTLKGMASP GVVEGYARVI LSADDLSEIQ QDEILVAPVT
APSWGPIFGK IKATVTDIGG MMShAAIVCR EYGLPAVTGT GAASSTTIKG DYLVGDGTG
KVVIVDPDAP RIEGPGAHSH AHSAAHGVD THA

> RXA00683 (1-1092, translated) 364 residues
MTNSLNIPFV QRFDEGLDPV LEVLLGGKGAS LVTMTDAGMP VPPGFVVTTA SFDEFIREAG
VAEHIDKFLN DLDAEDVKEV DRVSAIIRDE LCSLDVPENA RFAVHQAYRD LMERCGGDVP
VAVRSATAE DLPDASFAQQ QDTYLWQVGL SAVTEHIRKC WASLFTSRAI IYRLKNNIPN
EGLSMAVVQ KMVNSRVAGV AITMNPSNGD RSKITIDSSW GVGEVVSGE VTPDNILLDK
ITLQVQSEHI GSKHAELIPD ATGSLVKEP VDEERANRRS LTDEEMLAVA QMAKRAEKHY
KCPQDIEWAL DADLPDGENL LLLQSRPETI HSNGVKKETP TPQAAKTIGT FDFSSITVAM
TGTK

> RXA00686 (1-804, translated) 268 residues
MAGGNREPGR TVTSKVIABL GAFEHTMRPL GVTEIAELAD LPPSTTHRLV SELTEGGLLS
KKSDGRYQLG LRIWELAQNT GRQLRDTARP FIQELYSLTS ETAQLVVRDK DEALLIDRAY
GKKIIPRSAR VGGRLPLNST AVGKILLAFD EPWVKQSYLK LPLNASTPKT IVNPDVLAQQ
LKQIHSQGFA ITHDEQRIGG ASIAVPVWHT GKLGAALGLV VPTAQAANLE RYLPILQATS
QRITKATALI PLDTLLASHK NAERKGDT

> RXA00700 (1-804, translated) 268 residues
MINAITLKP K TFLTLSFLAV LSIVIFFWPL IVNPESFLSD KAQAPLYIAI VIPLVLAASI
AEISENGFDV KAVAMLGVL AMVAVVRPFG AGAAGFEAVF FVLILGGRAF GPGFGFILGN
TGLFASALLT AGIGPWLPYQ MLAAAWSFG AGLLPQVRGK KEMLIIVLYA IVSSLGYGTM
MNMSFWPYAI GVTSGLSFTP GAPVLENLHT FMLFCLTTSM GWDLGRAFFT SVLLLTAKP
VLGALRRASR RAAFGVERDF GEAGVPRV

> RXA00703 (1-2286, translated) 762 residues
MTTPPTEISN VNPTANEFDD PDVGRRITS A G V P G V L H A L Q H A V P N R A L L P L L T M N K P G G
IDCPGCAWPE PSTANLGVVE FCENGAKAVA E E T T P D R A G K E F W A E H S I Y D L R E K T D H W L G
KRGRIEPMF YDRSSGDDHY RPISWDRAFA I I A S K L R E I P D E A F V Y T S G R A P N E P A Y M L
QLLARRLGTN NLPDCGNMCH ESTGTALGET L G L G K G S V V M E D F Y N T D L L I S V G Q N P G T N H
P R A L T A F K E L K E N G G K I L A L N P M P E T G L M K F R E P Q S V K G A L S I S D K L A D E Y L Q I R L D G D R
A F F Q A L N K E L I R R D A L D H A F L D K F C S G V D E T I E H L K S L D D E V L L K G C G L T A A E I N K A A D M
V E K S D T V V V S W T L G V T Q H K N A V Y T I R E M V N F L L L T G N I G K P G A G T A P L R G H S N V Q G D R T M
G I W E K M P E A F L A A L E N E F G F D V P R K H G F D T V N S L R A M R E G K T K F F L S L G G N L V R V S S D T S
V V E K G M E S N E L T V H L S T K P N G S Q A W P G E Q S L I L P V I A R T D K D V Q K S G V Q R V T V E D S A G A V
H A S T G K R T A N K D L N L K S E C D I I G T I G K Q T F G D A F W Q P M I D N Y D V V R D H I E A T I P G F H D F N
R R I D N P G G F L L P N G P R E R I F N T S N G K A Q L T V N E T N V I E L P K D Y L L M N T V R S H D Q Y N S T I Y
G L D D R Y R G V R N G R R V V F V N P Q D C K Q R G L K D G D I V D I V S V F D D G E R R A P N F R V V E Y D T A R D
C V T T Y F P E A N V L V P L D S V A E K S N T P V S K S V V V R L E A T G R T A S

> RXA00705 (1-885, translated) 295 residues
P R V V S T D E Q V F V N T R P D T V A V E E P L E I R V N G T A L T T M R T P G H D I E L V H G L L L S E G L I T D
A S E V F T A R Y C A G A V G P D N Q N T Y N V L E L D V I P K D N P A R D P V Q N P S H N P E G S Q H E A L H I P T F
Q P V R E L N L V A A Q R N V L T T S A C G V C G T T S I E Q L M N K K G W P I T P I T P D P R M I V S L P D K L K S K
Q K I F D K T G G V H A A G L A T L D G E M L I I R E D V G R H N A A D K V I G N M L M A G K L P L E N T I L V M S S R
A S F E L V Q K A A M A G I S G V I A V G A A T S L A I E A A Q D S G I F L A G F V R G N K F N H Y A G E L G

> RXA00782 (1-882, translated) 294 residues
M S I F L N S D S R I I I Q G I T G S E G S E H A R R I L A S G A K L V G G T N P R K A G Q T I L I N D T E L P V F G T
V K E A M E E T G A D V T V I F V P P A F A K A A I I E A I D A H I P L C V I I T E G I P V R D A S E A W A Y A K K V G
H T R I I G P N C P G I I T P G E S L A G I T P A N I A G S G P I G L I S K S G T L T Y Q M M Y E L S D I G I S T A I G
I G G D P I I G T T H I D A L E A F E A D P E T K A I V M I G E I G G D A E E R A A D F I S K H V T K P V V G Y V A G F
T A P E G K T M G H A G A I V T G S E G T A R A K K H A L E A V G V R V G T T P S E T A K L M R E V V A A L

> RXA00783 (1-1272, translated) 424 residues
L K H L L R E D F V K D A E G S K H G P E M E L A V D L F E Y Q A R D L F E T H G V P V L K G I V A S T P E A A R K A
A E E I G G L T V V K A Q V K V G G R G K A G G V R V A P T S A Q A F D A A D A I L G M D I K G H T V N Q V M V A Q G A
D I A E E Y Y F S I L L D R A N R S Y L A M C S V E G G M E I E I L A K V E V D P L T G I D E D K A R E
I V T A A G F E T E V A E K V I P V L I K I W Q V Y Y E E E A T L V E V N P L V L T D D G D V I A L D G K I T L D D N A
D F R H D N R G A L A E S A G G L D I L E L K A K K N D L N Y V K L D G S V G I I G N G A G L V M S T L D I V A A A G E
R H G G Q R P A N F L D I G G G A S A E S M A A G L D V I L G D S Q V R S V F V N V F G G I T A C D V V A K G I V G A L
D V L G D Q A T K P L V V R L D G N N V V E G R R I L A E Y N H P L V T V V E G M D A A A D H A A H L A N L A Q H G O F
A T A N

> RXA00794 (1-1005, translated) 335 residues
M N L K N P E T P D R N L A M E L V R V T E A A A L A S G R W V G R G M K N E G D G A A V D A M R Q L I N S V T M K G V
V V I G E G E K D E A P M L Y N G E E V G T G F G P E V D I A V D P V D G T T L M A E G R P N A I S I L A A A E R G T M
Y D P S S V F Y M K K I A V G P E A A G K I D I E A P V A H N I N A V A K S K G I N P S D V T V V V L D R P R H I E L I
A D I R R A G A K V R L I S D G D V A G A V A A A A Q D S N S V D I M M G T G G T P E G I I T A C A M K C M G G E I Q G I
L A P M N D F E R Q K A H D A G L V L D Q V L H T N D L V S S D N C Y F V A T G V T N G D M L R G V S Y R A N G A T T R
S L V M R A K S G T I R H I E S V H Q L S K L Q E Y S V V D Y T T A T

> RXA00799 (1-1584, translated) 528 residues
L Q F R D L D G D G V L A P Y E D W R L T P A E R A A D L V K R M N V E E K A G L M I I G S H Y P G Y S P L A P E S E G
K D A E K C E P L L N P V D M W R E D N P I T G V P F T E P V L A T S S T E N A I N L R N Q R Y L I V R D N L P A R G L
A T W T N A V Q E V A E R S R L G I P V A F A S N P R N H V A L V A Q F G V N E S A G V F S E W P G E L G L A A L R D A
E L M E T F G T E A A K E W R A G G V H K L Y G Y M A D L A S E P R W S R F N G T F G E D P E L I S D Y I A A V V R G L

QGPELSKNSV STTIKHFPGG GVRLDGHDPH FHWGQTNEY P TEDALGKYHL PPFQAAIDAG
 CASIMPPYYAR PMNN SANQLD QQLWQNPTTQ FEEVAFAYNR TFIQDLLRDA MGHRGVNSD
 SGVIDAMMWG VEELSEPERF AAAVRAGTDI FSDMANPRL LEAVAEGHLD ESELNQPVQR
 LLEEIFQLGL FENPYVSEDE AEKIIGAPEV SALGNKAQLD SVTLLRNNPI RAATGCSKP
 EDLPIGYWPY QDRRGSTTAG SSHSRRTPRG NLGVFRVRSR SCNRVGSP

> RXA00800 (1-1104, translated) 368 residues
 MSTVVPGIVA LSKGAPVEKV NVVVPDPGAN DVIVKIQACG VCHTDLAYRD GDISDEFPYL
 LGHEAAGIVE EVGESVTHVE VGDFVILNWR AVCGECRACK KGEPKYCFNT HNASKKMTLE
 DGTELSPALG IGAFLAKTLV HEGQCTKVNP EEDPAAAGLL GCGIMAGLGA AVNTGDIKRG
 ESVAVFGLGG VMMAAIAGAK IAGASKIIAV DIDEKKLEWA KEFGATHTIN SSGLGEGDA
 SEVVAKVREL TDGFGTDSI DAVGIMPTWQ QAFYSRHDAG RMVMVGPNL TSRVDVPAID
 FYGRGGSVRP AWYGDCLPER DFPTYVDLHL QGRFPLDKFV SERIGLDDVE EAFNTMKAGD
 VLRSVVEI

> RXA00825 (1-933, translated) 311 residues
 MRTVVTTGGAG FIGSHLVDLL IKEGHEVVVI DNLSRGRLEN LSDAEATGKL TFVEADLLDV
 DFNEFLGTHK PEVIFHLAAQ IDVRHSVVDP LHDAETNILS TIRIADAARQ HGVRKVVFTS
 SGGSIYGEPS EFPVDETVPV DPHSPYAASK VSGEIYLNTF RHLYGLDCSH IAPANVYGP
 QDPHGEAGVV AIFALRLLGG LDTKVFBDGG NTRDYVVVGD VVRAFYLASG EIGGGERFNI
 GTSVETSDRQ LHTLVATAAG SKDDPEYAPA RLGDVPRSAL SFGKAKEVLG WEPEVNIEQG
 VAKTVEYFRT H

> RXA00871 (1-864, translated) 288 residues
 MRWFHKKGEL ARDGWQSVDV ATTPGWEYTG IRIAEGLSGE SLELNDTGVE RIFIPLQGSF
 DVAHHGQVTH LHGRKSVDG PTDVLYLPTG QTATLSQGR VAVAЕAPTQE PKEWKYIAPA
 ET?VEI.RGAG RSSRQVHNFG TPEALDAARL IVCEVITPGE NWSSYPPHKH DEHIPGHESK
 LEEIYYFESA PSRVGGRAEA AEGAFGMFST YSSPAGEIDI NAMVYSGDIA LVPGYHGPA
 VAAFGYDLYY LNVMAGPDP RIWLINDPA HAWVRDTWTG QAFDDRLP

> RXA00872 (1-522, translated) 174 residues
 MTNLSTSTHEV LAIGRLGVDI YPLQSGVGLA DVQSFQKYL GSAANVSVA ARHGHNSALL
 SRVGNDPFGE YLLAEELERLG VDNQYVATDQ TFKTPVTFC IFPPDDDFPLY FYREPKAPDL
 NIESADVSLD DVREADILWF TLTGFSEEPS RGTHREILTT RANRRHTIFD LDYR

> RXA00879 (1-2100, translated) 700 residues
 LNELADLYGV ATSYTDYKGA HIEVSDDTLV KILRALGVNL DTSNLPNDDA IQRQIALFHD
 REFTRPLPPS VVAVEGDELV FPVHVHDGSP ADVHIELED TQRDVSQVEN WTAPREIDGI
 RWGEASFKIP GDLPLGWHKL HLKSNERSAE CGLIITPARL STADKYLDSP RSGVMAQIYS
 VRSTLSWGMG DFNDLGNLNAS VVAQDGADFL LINPMHAAEP LPPTEDSPYL PTTRRFINPI
 YIRVEDIPEF NQLEIDL RDD IAEMAAEFRE RNLTSDIIER NDVYAAKLQV LRAIFEMPRS
 SEREANFVSF VQREGQGLID FATWCADRET AQSESVHGTE PDRDELTMFY MWLQWLCD EQ
 LAAAQKRAVD AGMSIGIMAD LAVGVHPGGA DAQNLSHVLA PDASVGAPPD GYNQQGQDW
 QPPWHPVRLA EEGYIIPWRNL LRTVLRHSGG IRVDHVGLF RLFVMPRMQS PATGTYIRFD
 HNALVGILAL EAEELAGAVVI GEDLGTFEPW VQDALAQRG MGTTSILWFEH SPSQPGP
 EYRPLALT TTTHDLPPTA GYLEGEHIAL RERLGVLNTD PAELAEDLQ WQAEILDVAA
 SANALPAREY VGLERDQRGE LAELLEGHLT FVAKTPSALT CVCLVDMVGE KRAQNQPGTT
 RDMPNWCIP LCDSEGNVSL IESLRENELY HRVAKASKRD

> RXA00909 (1-855, translated) 285 residues
 VLILFLALTA AAVVAPILIR TLGRPAFGLL ALVPGIGFFW VLSEFIKGTF KDGGELLHY
 AWMPSAHLNI DFRMDSLAL FSLIVLGVGA LVLLYCWGYF DSNAGRLSAF GAEVAFAMA
 MFGLVVISDNI LLMYVFWEIT SVLSFLLVGY YGERASSRRS AGQALMVTTL GGLAMLVGI
 LMGTQTGVWR FSEIPAYSSS WADVPYISAA AALILAGALS KSAIAPTHFW LPGAMAAPTP
 VSAYLHSAAM VKAGIYLVAR LSPDNLNVGS WYLIPIGLM LTMLM

> RXA00910 (1-1257, translated) 419 residues
 YVGFEVLLVA SYVLLTLGAS PARVRSGVGY VMVSMASSMV FLFGLAMVYA SVGTLNMAHV
 GLRMEDVPSG TRSAIFAVLL VAFGIKAAVF PLDSWLPDSY PTAPSLVTAV FAGLLTKVGV
 YSIIRARSII FTDGSLDTML MWVALATMLI GILGAMAQND IKRLLSFTLV SHIGYMIFGV

ALGSAQGLSG AIFYAIHHIL VQTSLFLVVG LVERQAGSSS LRRLGSLAYI SPLLAILYFI
 PAINLGGIPP FSGFLGKIML IEAGAEDGSW LAWVLIAGAV VTSLLTLYTM VLVWSKAFWR
 DRKDADPDGAT ALARPAPLVD VQDEVAVKDR NDVGRMPWGM VFSTALLVSA SLAVSVLAGP
 LSSITGRAAE SAQDVNIYRA AVLGPNYLDP SRTLEMERDYD ANRDDINHRV DTNGTEDQP

> RXA00913 (1-2118, translated) 706 residues
 IISVVGIGTR EALLAGLALT VAHSLFKATL FMTVGAIDHT TGTRDIRKLS GLWRKQPILF
 AVAAVSAAASM AGIPPLFGFI AKETALDTVL NEQMLHGMPG RLMLAGIVLG SIFTMAYSCY
 FLYEAFATKH SKFPEANGVS PAVEAMHPVK FKLWIAPVIL AILTVVFGVF PKPVSEAIWT
 HLDNVTPSLD DVHTKLALWH GLNLPLLLSV VIIISGFIIF WERDTVERLR PNTAAFGSAD
 TAYDAILDAL RVLSHRLTAS TQRGSLTINV GVIFFVLTIV PLIALITGEQ SDVRMELWDS
 PIQGFIAAIIV VVVAIVATTM DNRLSALILV GVTGYGIAVI FALHGAPDIA LTQVLVETIV
 MVVFMLVLRK MPTEVAWKAE PKQSRVRAWL AGATGLSVVI VTIFAMNART TEPICSVYMQD
 LAYEIGHGAN TVNVLLVSDLR GFDTFGEISV LVIAATGIAS LVYRNRSFRK DSRRPTLATT
 GRRWLAAAVD TERAQNRSLM VDVATRILFP AMIMLSVYFF FAGHNAPGGG FAGGLVASLA
 FALRYLAGGR EELEEAALPID AGRILGTGLF VSATAVLWPM VLLGEPPPLTS HIWDLTLPLI
 GEIHIASALL FDLGVYLIVI GLTMHILNSL GGQLDRDEEM RKQRARDRAR RLARNQRREA
 ATVGARRSNE KSTRQMPTIR PPGADTESVE QNGENQTSIS TKRLKQ

> RXA00945 (1-972, translated) 324 residues
 MLERLKRLDP LIVLIVLAVI VAIIPVRGBV AADWFDVAVK IAIAALLFFLY GARLSTQEAL
 NGLKHWRLHL TILAITFCIF PLIGIGLEPM TAFVSEDIYR GILFLTLVPS TVQSSVAFTS
 IAKGNVAGAI VSASLSNLAG VFLTPLVVML IMSAGGGVHV DSQVFIDIAI QLLLPFILGQ
 VCRRWVKNFA ANKATKIVDR GSIAVVYSA FSAGMVAGIW STVSVLEIIY LIVFAILLVM
 AMLWFTLFMA TRLGFNRADS IAIQFCGTTK SLATGLPMAA VIFGGANIGL LILPLMIFHQ
 VQLMICAWLA ARYGRDAQEQ KANA

> RXA00965 (1-723, translated) 241 residues
 MTTFHDLPLE ERLTLARLGT SHYSRQLSLV DNAEFGEHSL LEGWTRSHLI AHVAYNAIAL
 CNLMHWANTG EETPMYVSPE ARNEEIAYGS TLNPDALRNL HEHSVARLDV AWRETSEDAW
 SHEVLTAQGR TVPASETLWM RSREVWIHAV DLGAVATFGD IPEVILRTL A EITQKWTSQL
 GAGEGLVLLD EPSSTRYPAA PGQDEVVVSG SLAGIVRYAA GRGSDGVTSS TGEVPEPPRW
 L

> RXA00999 (1-1437, translated) 479 residues
 MTNGDNLAQI GVVGLAVMGS NLARNFARG NTAVAVYRST DKTDKLIADH GSEGNFIPSA
 TVEEFVASLE KPRRAIIMVQ AGNATDAVIN QLADAMDEGD IIIDGGNALY TDTIRREKEI
 SARGLHFVGA GISGGEEGAL NGPSIMPAGP AKSYESLGPL LESIAANVDG TPCVTHIGPD
 GAGHFVKMVH NGIEYADMVQ IGEAYHLLRY AAGMQPAEIA EVFKEWNAGD LDSYLINEITA
 EVLSQVDAET GKPLIDVIVD AAGQKGTGRW TVKAALDLGI ATTGIGEAVF ARALSGATSQ
 RAAAQGNLPA GVLTDLEALG VDKAQFVEDV RRALYASKLV AYAQGFDEIK AGSDENNWDV
 DPRDLATIWR GGCIIIRAKFL NRIVEAYDAN AELESLLLDP YFKSELGDLI DSWRRVIVTA
 TQLGLPIPVF ASSLSYYDSL RAERLPAALI QGQRDFFGAH TYKRIDKDGS FHTEWSGDR

> RXA01015 (1-342, translated) 114 residues
 MRVYLGADHA GFETKNAIAE HLKAHGHEVI DCGAHTYDAE DDYPAFCIEA ASRTVNDPGS
 LGIVLGGSGN GEQIAANKVK GARCALAWSV ETARLAREHN NANLIGIGGR MHSE

> RXA01025 (1-915, translated) 305 residues
 VVSVSVMGAG SWGTTLAKVF SDAGNAVTLW ARREELASTI RDSENRDYL PGITLPESLQ
 VTSSATEALE GAAIVVLAIP SQALRGNLAE WKETIPQDAT LVSLAKGIEK GTHLRMSEVI
 AEVTEADPSR IAVLSGPMLA REIAEGQPA A TVIACPDENR AKLVQAAVAA PYFRPYTN
 VVGTEIGGAC KNVIALACGI SHGYGLGENT NASLITRGLA EIARLGATLG ADAKTFSGLA
 GMGDLVATCS SPLSRNRSFG ERLGQGESLE KAREATNGQV AEGVISSQSI FDLATKLGV
 MPITQ

> RXA01048 (1-288, translated) 96 residues
 RSDLPNQINN VLAFPGIFAG ALAAKAKKIT PEMKLAQRO SQTSQLRTSR SAASCLPPWI
 PALPQQSRQL SRPSPKRKTL KNLLIDASLP VEAPIF

> RXA01049 (1-1011, translated) 337 residues
 VVKTEFEKEF NKAKYVMTIG EYVYFKLAGI TGMATSIAAW SGILDAHTGE LDLTILEHIG
 VDPALFGEIR NPDEPATDAK VVDKKWKHLE EIPWFHAIPD GWPSNIGPGA VDSKTVAVAA
 ATSGAMRVIL PSVPEQIPSG LWCYRVSRDQ CIVGGALNDV GRAVTWLERT IIKPENLDEV
 LIREPLEGTP AVLPFFSGER SIGWAASAQA TITNIQEQTG PEHLWRGVFE ALALSYQRVW
 EHMKGAGAAP ERVIASGRVS TDHPEFLAML SDALDTPVIP LEMKRATLRG TALIVLEQLE
 PGGTRATPPF GTTHQPRFAH HYSKARELFD ALYLKLV

> RXA01050 (1-474, translated) 158 residues
 MGSIPTMSIP FDDSRGPYVL AMDIGSTASR GGLYDASGCP IKGTKQRESH EFTTGEGVST
 IDADQVVSEI TSVINGILNA ADHHNIKDQI AAVALDSFAS SLILVDGEGN ALTPCITYAD
 SRSAQYVEQL RAEIDEKAYH GRTGVCLHTS YHPSRLLW

> RXA01077 (1-1371, translated) 457 residues
 MTESQDLAAF VEAALKNDAS PEAVEQLKIR VLDTVGVAIG ALDAEPIVAI RGLLEDLGCT
 EQSTLIGGGK TSPERAFFN SALSRYLDFM DAYLAKGETN PSDNFAGAVL AAAESVGASG
 KDLLTAFAVA YQVHTRLSDV APVRAKGFDH TTQGAFAGA SAAKALGLPA DQIANALAIA
 GTANVALRTV RTGNLSHWKG LAYPHVSKEG TWAALLASRG ITGPEEVFEG NKGFKESVSG
 PFEIDWSKED LESVKRTIICK KHNAEIHQS ALDAAQEIRA QEGFNVDNIE KIHLTTFDVA
 YSIIGGEEG DKQLIRTKEE ADHSLPWMLA VVLLDGQLNP EQYEPSRIVA DDVQTLMKKI
 EITPSDEFSD RFDPDHMPADL EVTLNDGSVF KASQDSYLGK HDNPLDWDNA RKKFDALVTP
 FTGEELREEI ATIIHELDSDR QVSELTEALA KVSTTRRS

> RXA01089 (1-750, translated) 250 residues
 LSRFAANLSL TFTELDFLDR FDAASKHAFS AVEFQYPYDF DVQEIKQRAD SAGLPIELFN
 APFGDTFGIA ALASPEDFQQ SIEQAITYAT VLKPCKMHVM AGIADVTSET TARYVENIRW
 AAQQLDKLDV VVVIIEPINHY SVPGYFLHTL EQAYWLIDSI AHPNVKILFD TFHLQQIHGN
 LTRRLREVHG AGLLGHVQVA SVPDRHEPQT GEVNAAYIFQ LLSELGYDGV IAGEYHPAGE
 TTAGLGWLEL

> RXA01093 (1-1431, translated) 477 residues
 MGVDRRRTKIV CTLGPAVASA DGILRLVEDG MDVARLNFSH GDHPDHEQNY KWVREAAEKT
 GRAVGILADL QGPKIRLGRF TDGATVWENG ETIRITVDDV EGTHDRVSTT YKNLAKDAKP
 GDRLLVDDGK VGLVCVSVEG NDVICEVVEG GPVSNNKGS LPGMDISVPA LSEKDIRDLR
 FALKLGVDI ALSFVRSPAD AELVHKIMDE EGRRVPVIK LEKPEAVTSL EPIVLAFFAV
 MVARGDLGVE VPLEEVPLVO KRAIQIAREN AKPVIVATQM LDSMIENSRP TRAEASDVAN
 AVLDGADAVM LSGETSVGKD PHNVVRTMSR IVRFAETDGR VPDLTHIPRT KRGVISYSAR
 DIAERLNARA LVAFTTSGDT AKRVARLHSH LPLLVFTPNE AVRSELALTW GATTFLCPPV
 SDTDDMMREV DRALLAMPEY NKGDMMVVVA GSPPGVGTGNT NMIVHLLGD DTRIAKL

> RXA01099 (1-825, translated) 275 residues
 MDARGMLAIA EAVVDDAEAL FMQGFGAAPA HMKSPGDFAT EVDMAIESHM RSMLNMMTGI
 AVIGEEGGGA TSGTRWVIDP IDGTANFAAS NPMSAILVSL LVDDQPVLCI TSMPMLGKRL
 TAFEGSPLMI NGEPQEPLQE QSSLVSHIGF SSMASPRNTA FPVELRRDIL TELTESYLRP
 RITGSVGVDL AFTAQGIFGA CVSFSPHWVD NSAGVMLMRA AGAQVTDTEG HPWAPGRGVV
 AGTKRAHDVL LSKIEKVRLM HADAGNDQSL NEEYK

> RXA01111 (1-447, translated) 149 residues
 MTSTIEHSYQ VWPGHAYPLG STYDGAGTNF ALFSDVAERV ELCLLDADNN ETRIPLEERD
 AHIWHCYLPG VQPGQRYGFR VHGPWNPDEG KRCDANKLLV DPYARAFDGD FDGHPSLFSY
 DITNPNDPNG RNTEDSIDHT MKSVVVNPF

> RXA01130 (1-303, translated) 101 residues
 VGALTGLERV EKITRINRG LDLRAEGLNL FLQYTDAPGA LGTVGTLGA AGINIEAAAL
 TQAEGDGAV LILRVESAVS EELEAEINAE LGATSFQVLD D

> RXA01133 (1-549, translated) 183 residues
 VSQNGRPVVL IADKLAQSTV DALGDAVEVR WVDGPNRPEL LDAVKEADAL LVRSATTVDA

EVIAAAPNLK IVGRAGVGLD NVDIPAATEA GVMVANAPTS NIHSACEHAI SLLLSTARQI
 LLLMRRCVRA SGSGLLSTVW KFSEKLSVSS VLATLVSCLL SVLLRLRPPL LLTILTLTLL
 RAG

> RXA01193 (1-741, translated) 247 residues
 MRVALSGLTM AEYFRDVONO DVLLFIDNIF RFTQAGSEVS TLLGRMPSAV GYOPTLADEM
 GVLQERITST KGRSITSLQA VYVPADDYTD PAPATTFAHL DATTELDRSI ASKGIVPAVN
 PLTSTSRLIE PAIVGERHYE VSQRVIGILQ KNKELQDIIA ILGMDELSEE DKITVARARR
 IERFLGQNFF VAEKFTGLPG SYVPLTDVD AFERICNGDF DHYPEQAFNG LGGLDDVEAA
 YKKLTGK

> RXA01194 (1-372, translated) 124 residues
 MAEITVELVS VERMLWAGQA SIVTAQTTEG EIGVLPDHEP LLGQLVENGV VTIQPIDGEK
 LIAGVSDGFL SVSKEKVTLI ADFAVWANEV DTASAEADLN SDDELAKAHA EAGLRRAVRRS
 SEGL

> RXA01200 (1-609, translated) 203 residues
 GCLRWKSEPS VLEVLKDAAE QTWSTPREFR AGLVQLGRRA LLRSAEKQGQ LGQVEDELFR
 LSRILDRESK LTQQLLSDRTQ EIGGRRDLIA KVLYGKVTAV TEALALQAIQ RPEHNPIDDI
 AALAGAVAAEL QGRSVAHVVVT AVELNEGQQQ ALAEKLGRIY GRAMSIHSEV DTSLLGGMII
 RVGDEVIDGS TSGKLERLRA SFA

> RXA01201 (1-1641, translated) 547 residues
 MAELTISSDE IRSAlANYTS SYSAEASREE VGVVISAADG IAQVSGLPSV MANELLEFPG
 GVIGVAQNLE ADRVGVVVLG NYELLKEGDQ VRRTGVDVLSI PVGEAFLGRV INPLGQPIDG
 LGEIASEEDR VLELQAPTVL ERQPVEEPLA TGIKAIDAMT PIGRGQRQLI IGDRKTGKTA
 VCVDTILNQK ANWETGDKTK QVRCIYVAIG QKGSTIAAI.R KTLEEQGALE YTTIVAAPAS
 DAAGFKWLAP FAGAALAQHW MYQGNHVLVI YDDLTQAEA YRAISLLLRR PPGREAYPGD
 VFYLHSRLLE RAAKLSDELG AGSITALPII ETKANDVSAF IPTNVISITD GQVFLESSDLF
 NRGVRPAINV GVSVSRVGGA AQTKGMKKVA GSLRLDAAF RDLEAFATFA SDLDAASKSQ
 LERGQRLVQL LIQSENAPOA VEYQIISLWL AGEGAFDNVP VEDVRRFESE LHEYLGSNAA
 QVYEQIAGGA QLSDESKETL LKATEDFKSA FQTTDGTPVI NEPEVEALDA GQVKKDQLTV
 SRKVSKK

> RXA01202 (1-975, translated) 325 residues
 MATIRELRDR IRSVNSTKKI TKAQELIATS RITKAQGRVA AAAFYAEEIQ RVLERLASAS
 SLDHPMLRER EGGKRAAVLV VTSDRGMAGG YNHNVLKAA ELEKLLAESG YEVVRYVTGK
 KGVDYYKFRA EDVAGWTWTGF SQDPDWAATH NVRRHLIDGF TASSEGEAAW REGLNPEGQ
 DIQGFDQVHV VYTEFISMILT QNPVHVQLLP VEPVIEDEIF EKGEDLSSS GEVEPDYEF
 PDADTLEAL LPQYVSRRLF SIFLEAAAAE SASRRNAMKS ATDNATELVK DLSRVANQAR
 QAQITQEITE IVGGAGALAD SGESD

> RXA01203 (1-639, translated) 213 residues
 MTTALEEQNA QQAATAGRVV RVIGAVVDVE FPRGELPALY NALTVEVTLE SVKKTvvLEV
 AQHLDNLIR TIAMAPTDTGL VRGAATVDTA RPISPVGDV VKGHVFNALG DCLDDVSLNN
 NPEIERWGIH REPPSFQDQLE GKTEILETGI KVIDLLTPYV KGGKIGLFGG AGVGKTVLIQ
 EMITRIAREF SGTSVFAGVG KRTREGTDLF LEM

> RXA01204 (1-762, translated) 254 residues
 MKGEFHAPDL DKEFFPGHVT DSGEVVNMLF TDFANGWFAM DRIVLIRLLM TAVVVVFFLW
 AMRKPKLVPH GVQNFAEYAL DFVGIHIAED ILGKKGRRF LPILATIFFA ALLMNLATII
 PGLNISSNSR IAFPIVMAVA GYIAFIYAGS KRYGFFKYVK SSVVIPNIPP ALHVLVPIE
 FFSTFILRPV TLALRLMANF LAGHIILVLL FFATNFFFFQ FNGWTAMSGV TILMAVLFTV
 YEIIIVIFLQA YIFA

> RXA01216 (1-1101, translated) 367 residues
 TDHTLSALLD AHVEVPTAVT VLTMRDDPT GYGRIVRNEE GEVTAIVEQK DASAEVQAI
 EVNSGVFAFD AAILRSALAE LKSDNAQGEL YLTDVLGIAAR GEHPVRAHTAADARELAGV
 NDRVQLAEG AELNRRTVIA AMRGGATIVD PATTWIDVEV SIGRDVIIHP GTQLKGETVI
 GDRVEVGPD TLTNMTIGDG ASVIRTHGFD STIGENATVG PFTYIRPGTT LGPEGKLGGF

VETKKATIGR GSKVPHLTYV GDATIGEESN IGASSVFVNY DGENKHHTTI GSHVRTGSDT
 MFIAPVTVDG GAYSGAGTVI KDDVPPGALA VSGGRQRNIE GWVQKKRPGT AAAQAAEAAQ
 NVHNQEG

> RXA01225 (1-1440, translated) 480 residues
 MTHNHKDWND RIAVAEEMVP LIGRLHRNNN VVSVFGRLL VNVSDIDIIK SHRYARHIIS
 KELPLESSLD ILRELVDMNL GTASIDLQQL AYSFESEEST DLRAFLEDAL APVIGAETDI
 NPTDIVLYGF GRIGRLLARI LVSREALYDG ARLRAIVVRK NGEEDLVKRA SLLRRDSVHG
 GFDGTITTDY DNNIIWANGT PIKVIYSNDP ATIDYTEYGI NDAVVVDNTG RWRDREGLSQ
 HLKSKGVAKV VLTAPKGKDL KNIVYGINHT DITADDQIVS AASCTTNAIT PVLKVINDRY
 GVEFGHVETV HSFTNDQNLI DNFKHGSRRG RAAGLNMVLT ETGAAKAVSK ALPELEGKLT
 GNAIRVPTPD VSMAVLNLTL NTEVDRDEVN EFLRRVSLHS DLRQQIDWIR SPEVVSTDFV
 GTTHAGIVDG LATIATGRHL VLYWWYDNEF GYSNQVIRIV EEIAGVRPRV YPERRQPAVL

> RXA01227 (1-321, translated) 107 residues
 MTYTIAQPCV DVLDRACVVE CPVDCIYEGK RMLYIHPDEC VDCGACEPVC PVEAIFYEDD
 VPHEWWWDYTG ANAAFFDDLG SPGGAASLGP QDFDAQLVAV LPPQNQN

> RXA01242 (1-777, translated) 259 residues
 MYAEERRRQI ASLTAVEGRV NVTELAGRFD VTAETIRRDL AVLDREGIVH RVHGGAVATQ
 SFQTTELSLD TRFRSASSAK YSIAKAAMQF LPAEHGGLFL DAGTTVTALA DLISEHPSSK
 QWSIVTNCLP IALNLANAGL DDVQLLGGSV RAITQAVVGD TALRTLALMR ADVVFIGTNA
 LTLDHGLSTA DSQEAAAMKSA MITNAHKVVV LCDSTKMGTD YLVSFGAISD IDVVVTDAGA
 PASFVEQLRE RDVEVVAIE

> RXA01243 (1-960, translated) 320 residues
 MILTVTASPY LLSTNELDGT IEIGEANKIR QVSTVAGGFG TGVAATLFYG GNETFAVFPA
 PEISHYMRDV TFAGLPHEII PVAGPIPML TMRDAEGNET KFKDSPMPLD VSQLAILRDL
 VVPRRAEDAAW VLLGGNLPsi APAAWFVDVV RSLRLYHPHV KVAIAATGAA LRAVIRQLAA
 TSPFDALIVAA EEIEIATGLE PKTLRGWPWE GDLSPTVAAA RALIDSGVTE VLVTNKRTE
 LYVSESESLL ASYDSTPGKQ GVNWRESFTA GFLAASNDGK STEDSVINAV AYANAEGSEW
 DNYIPTPDKL RAEHVVIKSL

> RXA01259 (1-858, translated) 286 residues
 MGTRFLPATK TIPKELLPPV DTPGIELVAK EAADLGATRL AIITAPNKDG ILKHFEFP
 LEATLEARGK TDQLNKVRAA RELIATVPVV QEKPGLGHA VGLAESVLLD DEDVVA
 MLP DDLVLPFGVT ERMAEVRAKF GGSVLAIAEV AEDEVSNYGV FKLGELDAES ESEGIRRVVG
 MVEKPAPEDA PSRFAATGRY LLDRAIFDAL RRIEPGAGGE LQLTDIAIALL IEEGH
 PVHIV VHEGKRHDLG NPAGYIPAVV YFGLRHAEYG SKIHR
 RAVKEI LAEFES

> RXA01262 (1-1161, translated) 387 residues
 MKIAVAGLGY VGLSNAALLS KNHKVVAVDI DEERVKLVQE FRSPIVDSDL EEYLSTKPQN
 LTATTDAEAA YKGADFIVIA TPTNYDPESN FFDTSSVESV IEIVLKVS
 PG STIVIKSTIP VGFTSELRIK HPEASIIIFSP EFLREGRAFY DNLYPSRVVV GDRSPLGEEF ATLLAEGAKE
 KPPILLTDST EAEAIAKLESN TYLALRVAFF NELDTYASVR SLDTKOIIEG VGLDPRIGSH
 YNNPSFGYGG YCLPKDTKQL LANYKDVPQN LISAVVQANK TRKDFIAEDI LSKSPTVVG
 YRLVMKSGSD NFRSSSIQGV MKRIKAKGIE IVVFEPNLGE ETFYNSKILN DIEEFKDYCD
 IIIANRPTDE LSDVPEKVYT RDIFQRD

> RXA01311 (1-747, translated) 249 residues
 MKLTLEIWRQ AGPTAEGKFE TVQVDDAVAQ MSILELLDH NNKFIEEGKE PFAFASDCRE
 GICGTCGLLV NGRPHGADQN KPACAQRLVS YKEGDTLKIE PLRSAAYPVI KDMVVDRSAL
 DRVMEQGGYV TINAGTAPDA DTLHVNHETA ELALDHAA CI GCGACVAACP NGA AHLFTGA
 KLVHLSLLPL GKEERGLRAR KMVDEMETNF GHCSLYGECA DVCPAGIPLT AVAAVTKERA
 RAAFRGKDD

> RXA01312 (1-1077, translated) 359 residues
 ESLRNNDGRIW SPKEPNDRD PNTIPEDERD YFLERRYPAF GNLVPRDVAS RAISQQINAG
 LGVGPLNNAA YLDFRDATE R LGQDTIRERY SNLFTMYEEA IGEDPYSSPM RIAPTC
 HFTM GGLWTDFNEM TSLPGLFCAG EASWTYHGAN RLGANSLLSA SVDGWFTL
 PF TIPNYLGPLL

GSERLSEDAP EAQAAIARAQ ARIDRLMGNR PEWVGDNVHG PEYYHRQLGD ILYFSCGVSR NVEDLQDGIN KIRALRDDFW KNMRITGSTD EMNVQLEYAA RVADYIDLGE LMCVDALDRD ESCGAHFRDD HLEdgeAQR DDQNWCFCVSA WEPGENGTIV CHAEPLFFES VPLQTRNYK

> RXA01325 (1-672, translated) 224 residues
 MDMTISRSTM AQILDYTLG PEVTNSELAA FIDSAILGV GTICVPNSMV NLATAQEAG IRVATVAGFP HGKTPALVKA AEARLAVQSG ASEVDVLDI AAVKEGDANR LLQEIVAIRES AVPSPVVLKF ILETAVVSDE AIVTAVNALI AAGADFAKTS TGFHPAGGAT VEAVRVMASA SRGRVGIAA GGVKTWEDAV AFVEAGATRI GTSNAGAILE GAPE

> RXA01332 (1-549, translated) 183 residues
 AARAAAAAED APGAQAFTRI EDAIAADAVD AVLIAAVPGQF HEPVLVPALE AGLPILCEKP LTPDSESSLR IVELEQKLDK PHIQVGFMRD FDPEYNLRK LVESEAGEEL LMLRGLHRNP SVGESYTQSM LITDSVVHEF DVIPWLAGSR VVSVEVKYPK TSSLAHSGLK EPILVIMELE NGV

> RXA01350 (1-984, translated) 328 residues
 MNSPQNVSTK KVTVTGAAQ ISYSLWRIA NGEVFGTDTP VELKLLEIPQ ALGGAEGVAM ELLDSAFPLL RNITITADAN EAEDGANAIF LVGAKPRKGK EERADLLANN GKIFGPQGKA INDNAADDIR VLVVGNPANT NALIASAAAP DVPASRFNAM MRLEDHNRAIS QLATKLGGRS AEFNNIVVWG NHSATQFPDI TYATVGGEKV TDLVDHDWYV EEFIPRVANR GAEIIIEVRGK SSAASSAASSA IDHMRDWVQG TEAWSSAAIP STGAYGIPEG IFVGLPTVSR NGEWEIVEGL EISDFQRARI DANAQELQAE REAVRDLL

> RXA01365 (1-894, translated) 298 residues
 MRTRESVTAV IKAYDVRGVV GVDIDADFIS ETGAAFGRLM RSEGETTVAI GHDMRDSSPE LAKAFADGVT AQGLDVVHLG LTSTDELYFA SGTLKCAGAM FTASHNPAEY NGIKLCRAGA RPVGQDSGLA NIIDDLVEGV PAFDGESGSV SEQDLLSAYA EYLNELVDLK NIRPMKVAVD AANGMGGFTV PEVFKGPLD VAPLYFELDG NFPNHEANPL EPANLVLDLQK FTVETGSDIG LAFDGDADRC FVVDEKGQPV SPSAICAIVA ERYLEKLPGS TIIHNLITSK AVPEVIAE

> RXA01369 (1-501, translated) 167 residues
 NEQCLGDVGV LGALLNFYK LAPGEALYLD AANLHAYISG LGVEIMANSV NVLRRGLTSK YVDVPELVRV LDFNSLENAR VDVEEDGATT HYPVPINEFQ LDRVAVQGEA EANHDGPMIV LCTSGTVSLE AGEKTLEVAA GHAAWVPAND PTIAMRSEDA EVFLARV

> RXA01373 (1-708, translated) 236 residues
 MELLEGSLRT YPWGSRTLIA DLKGEESPSS RPEAEVWFGA HPGSPSTIGG NALNEVIAAN PEEALGTRVA EAFENELPFL LKILÄAGAPL SLQAHPSLEQ AREGFARENS AGIDLGAPNR NYRDPNHKPE LIVALTEFIA MAGFRPLRNT LTIFDALACE PLDRYRSMLT VDNEEESLRA LFTTWITIPI GKRHELIDAL ISNAHTYLEA SDRDEDIAFV LSHIIELNEQ YPGDVG

> RXA01377 (1-1086, translated) 362 residues
 MTLTDNSKNV DAVILVGGKG TRLRPLTVNT PKPMLPTAGH PFLTHLLARI KAAGITHVVL GTSFKAEVFE EYFGDGSEMG LEIEYVVEDQ PLGTGGIRN VYDKLRRDTA IVFNGDVLSG ADLNSLDTN REKDADLTMH LVRVANPRAF GCVPTDEDGR VSEFLEKTED PPTDQINAGC YVFKKELIEQ IPAGRavsve RETFPQLLEE GKRVFGHVDA SWRDMGTPS DFVRGSADLV RGIAYSPLLE GKTGESLVDA SAGVRDGVL LGGTVVGRGT EIGAGCRVDN TVIFDGVTIE PGAVIENSII SSGARIGANA HISGCIIGEG AQVGARCELN AGMRVFPGVV IPDSGIRFSS DQ

> RXA01392 (1-1077, translated) 359 residues
 VANTSSDWAG APQNAsADGE FVRDTNYIDD RIVADVPAGS EPIAQEDGTF HWPVEAGRYR LVAARACPWA HRTVITRLL GLENVISLGL TGPTHDVRSW TFDLDPNHL D PVLQIPRLQD AYFNRFPDYP RGITVPALE ESSKKVVTND YPSITIDFN E WKQFHREGA PNLYPAELRE EMAPVMKRIF TEVNNGVYRT GFAGSQEAHN EAYKRLWVAL DWLEDRLSTR RYLMGDHITE ADIRLYPTLV RFDAVYHGF KGCRNKITEM PNWLGYLRDL FQTPGFGDTT DFTEIKQHYY ITHAEINPTR IVPVGPDLSG FATPHGREKL GGSPFAEGVT LPGPIPAGEE VKNPEPFQK

> RXA01436 (1-1191, translated) 397 residues

MALALVLNSG SSSIKFQLVN PENAIDEPY VSGLVEQIGE PNKRIVLKIE GEKYTLETP
ADHSEGLNLA FDLMQDHNCG PSQLEITAVG HRVVHGGILF SAPELITDEI VEMIRDLIPL
APLHNPNVGD GIDVARKILP DVPHVAVFDT GFFHSLPPAA ALYAINKDVA AEHGIRRYYGF
HGTSHEFVSK RVVEILEKPT EDINTITFHL GNGASMAAVQ GGRAVDTSMG MTPLAGLVMG
TRSGDIDPGI VFHLSRTAGM SIDEIDNLLN KKSGVKGLSG VNDFRELREM IDNNNDQDAWS
AYNIYIHQLR RYLGSYMLVAL GRVDTIVFTA GVGENAQFVR EDALAGLEMY GIEIDPERNA
LPNDGPRLIS TDASKVKVFV IPTNEELAIA RYAVKFA

> RXA01468 (1-825, translated) 275 residues
MTVNISYLTMDGVLIKEGE IIPGADRFLQ SLTDNNVEFM VLTNNNSIFTP RDLSARLKTS
GLDIPPERIW TSATATAHFL KSQVKEGTAY VVGESGLTTA LHTAGWILTD ANPEFVVLGE
TRYTSFEAIT TAINLILGGA RFICTNPVDT GPSPSGILPA TGSVAALITA ATGAEPYYIG
KPNPVMMRSA LNTIGAHSEH TVMIGDRMDT DVKSGLEAGL STVLVRSGIS DDAEIRRYPF
RPTHVINSIALDACWDDPF GDGAFHVPDE QQFTD

> RXA01478 (1-1836, translated) 612 residues
MTIPGASTQT DIPLDTLLED YALLSDTHTG ALLSNMGSLD WLCLPRFDSQ AMFTRLLGDR
EHGHWSLRVP GGEVISQNYL GDSFVVQTVW RSETGATARV DFMPHIHQEQ PDITDLVRSV
HCVEGEVDVE SILRLRFDYG ESTPYFRSTV VDGISIVQAV AGPNavyVRG PEMPHRPAKD
CHSGTFHLTA GESVEWVLTW APSFEPHPPM PDYTRSLEST LSFWasWVEE LPHQRLYDAE
VRRSMLVLRA LTDLQTGGIV AAPTTSLPED FGGIRNWDRY YVWLDRSALT IEALVEYGFS
QAALQWRTWL LRAIAGDPEN LRIMYGLGGE RHLPERELQH LRGYENSVPV RVNGAAEQQY
QADVVGEVMV ALETIRRAGC LEDEFSGWMQ KAILDFQEAN FDRKDQGQIWE MRSEPQYFTH
GRAMMWAGFD RGIKAIEEFN LDGPIERWRE LRAKLREEIM TNGFNEEIQS FTQCYDNTQV
DASLLQLAQI GFIGFDDPKM LSTVARIEQE LLDAHGLHR YHTDGSGLA GDEYPFLICS
FWLVEQYASS NRLDEAKEKM NRILAVQSPL GLLAEYESTH HGRLAGNYPQ AFSHIGLISA
ARAINFEEAR NR

> RXA01482 (1-1875, translated) 625 residues
MRMCGIVGYI GQAGDSRDYF ALDVVVEGLR RLEYRGDSA GIAIHANGEI SYRKAGKVA
ALDAEIAKAF LPDSILGIGH TRWATHGGPT DVNAHPVVS NGKLAVVHNG IIENFAELRS
ELSAKGYNFV SDTDTEVAAS LLAEIYNTQA NGDLTLAMQL TGQRLEGAFT LLAIHADHDD
RIVAARRNSP LVIIGVGEGEN FLGSDVSGFI DYTRKAVELA NDQVVTITAD DYAITNFDGS
EAVGKPDFVE WDAAAEEKGG FGSMEMEKEIH DQPAAVRDTL MGRLEDGKL VLDELRIDEA
ILRSVDKIVI VACGTAAYAG QVARYAIEHW CRIPTEVELA HEFRYRDPIL NEKTLVVALS
QSGETMDTLM AVRHAREQGA KVVAICNTVG STLPREADAS LYTYAGPEIA VASTKAFLAQ
ITASYLLGLY LAQLRGNKFA DEVSSILDSDL REMPEKIQQV IDAEEQIKKL GQDMADAKSV
LFLGRHVGFP VALEGALKL EIAYLHAEGF AAEGELKHGPI ALVEEGQPIF VIVPSPRGRD
SLHSKVVSNI QEIRARGAVT IVIAEEGDEA VNDYANFIIR IPQAPTLMQP LLSTVPLQIF
ACAVATAKGY NVDQPRNLAK SVTVE

> RXA01534 (1-489, translated) 163 residues
MTSAITTATD LRSVLRNVPT PISFIATHTD QPLGMIVGSF VSISAEPPV GIFLQKSSSS
WPAIEQALVT QOELGISILG GAHADHVRKL SGPSDQRFEN LGWASTENGA IHLEGADAQL
TTKLHDLOEI GDHFFAVLEV IDASADQDFS SALVYHRSQV SSL

> RXA01535 (1-1407, translated) 469 residues
MTEQEFRIEH DTMGEVKVPA KALWQAQTQR AVENFPISGR GLESAQIRAM GLLKAACAQV
NKDSGALDAE KADAIIAAGK EIASKHDAE FPIDVFQTS GTSSNMNTNE VIASIAKANG
VEVHPNDHVN MGQSSNDTFP TATHVAATEA AVNDLIPGLK VLHESLAKKA NEWSEVVKSG
RTHLMDAVPV TLGQEFGGYA RQIQLGIERV EATLPRLGEL AIGGTAAGTG INTSADFGGK
VVAELINLTD VKELKEAENH FEAQAAARDAL VEFSGAMRVI AVSLYKIAND IRLMGSGPLT
GLGEIRLPDL QPGSSIMPVGK VNPNLCETAT QVSAQVIGND AAVAFSGTQG QFELNVFIPV
MARNVLESAR LLANTSRVFA TRLVDGIEPN EAHMKELAES SSPIVTPLNS AIGYEAAAKV
AKTALAEKGK IRQTVIDLGL VDGEKLTEEE LDKRLDVLAM AHTERENKF

> RXA01550 (1-1344, translated) 448 residues
IFQQLFWRVW EIITEIDRRF RLERAADGLD EETIDRMAPI QRGTVHMAWI ACYAAYSING
VAALHTEIIK AETLADWYAL WPEKFNNKTN GVTPRRWRM INPGLSDLTT RLSGSDDWVT
DLDELKKLRS YADDKSVLEE LRAIKAANKQ DFAEWILERQ GIEIDPESIF DVQIKRLHEY

KRQLMNALYV LDLYFRIKED GLTDIPARTV IFGAKAAPGY VRAKAIIKLI NSIADLVNN
 PEVSPLLKVV FVENYNVSPA EHILPASDVS EQISTAGKEA SGTSNMKFMM NGALTGTM
 GANVEIVDSV GEENAYIFGA RVEELPALRE SYEPYELYET VPGLKRALDA LDNGTLNDNN
 SGLFYDLKHS LIHGYGKDAS DTYYVLGDFA DYRETRDRMA ADYASDPLGW ARMAWINICE
 SGRFSSDRTI RDYATEIWKL EPTPAVKK

> RXA01562 (1-1038, translated) 346 residues
 EQDLDELMHS TGVIDPLTGA PKSASKPGWT SVFSDELVKI GAQNENVVAI TAAMAGPTGL
 SKFEANFPNR FFDVGIAEQH AVTSAAGLAL GGKHPVVAIY STFLNRAFDQ LLMDVGMLNQ
 PVTLVLDRSG VTGSDGASHN GWDMALTSI VPGVQVAAPR DEDSLRELLN EAISIDDGPT
 VVRFPKGDLR TPIVAIDTLE DGVDVLAYED ATDVESTDDA PSVLIIAVGE RATVALDVAS
 RIKQHGVNVT VVDPRWIVPI PQSLVALSDD HDLVITIEDG VIHGGVGSL SDALNASEVD
 TPRRQIAVPQ KYLDHASRNE VLADYGLDAD GIETTVVGWL DSLFGE

> RXA01569 (1-426, translated) 142 residues
 APRHYIVRTS WVIIGDGNNFV RTMKSLDERG IAPSVVDDQI GRLSFTEDIA AGIAHLLEV
 AAYGTYNLTN TGEPASWADV ARAVFSDPTK VTGVSTAEIF ANKDAAPRPL NSVLDLGKIE
 ATGFSAPTWQ TRLNDYLKEL SK

> RXA01570 (1-855, translated) 285 residues
 VKGIILAGGS GTRLYPITKG ISKQLMPIYD KPMVYYPLTT LIQAGIKDIL IITTPEDSAS
 FERLLGDGSS WGINLTYAVQ PSPDGLAQAF IIGEEFIGDD DVALVLGDNF FDGAQLGHAL
 KQCSNPDGSI VFAYEVSDPE RYGVVEFDAA NKAVSIEEKPK TAPKSNSFAVV GLYFYDNRNV
 DIAKSIPSS RGELEITSVN DAYLQQGALT VQRQLRGDVW LDTGTIDSMS EASSYVEVLQ
 KRTGNITIGSP EVAAYREGFI TAEELTQLGE ELKKSGYGNY LLRAL

> RXA01571 (1-600, translated) 200 residues
 VSISVKALQK SGPEAPFEVK IIERRDPRAD DVVIDIKAAG ICHSDIHTIR NEWGEAHFPL
 TVGHEIAGVV SAVGSDVTKW KVGDRCVGVC LVNSCGECEQ CVAGFENNCL RGNVGTYN
 DVGDTITQGG YAEKVVVNER FLCSIPEELN FDVAAPLLCA GITTYSPIAR WNVKEGDKVA
 VMGLGGTRTH GCPDRCSCQGC

> RXA01572 (1-492, translated) 164 residues
 MGVQIAAAKG AEVTVLSRSL RKAEELAKELG AARTLATSD DEFFTEHAGEF DFILNTISAS
 IPVDKYLSLL KPHGVMAAVVG LPPEKQPLSF GALIGGGKVL TGSNIGGIPE TQEMLDFCAK
 HGLGAMIETV GVNDVDAAYD RVVAGDVQFR VVIDTASFAE VEAV

> RXA01615 (1-939, translated) 313 residues
 MSDSPKNAPR ITDEADVVL GAGIMSSTLG AMLRQLEPSW TQIVFERLDG PAQESSSPWN
 NAGTGHSALC ELNYTPEVKV KVEIAKAVGI NEKFQVSRQF WSHLVEEGVL SDPKEFINPV
 PHVSFGQGAD QVAYIKARYE ALKDHPFLQG MTYADDEATF TEKLPLMAKG RDFSDPVAIS
 WIDEQTIDINY GAQTKQYLDL AEVEGTEIRY GHEVKSIAK GAKWIVTVKN VHTGDTKT
 ANFVFVGAGG YALDLLRSAG IPQVKGFAGF PVSGLWLRCT NEELIEQHAA KVYKGASVGA
 PPMSVPHLDT RVI

> RXA01626 (1-345, translated) 115 residues
 MSKTIIVRTE IEIPGHPTAI HIAEMQELPP SEAQGGVQMC KMQRRIIELAG TAEGDVVTGA
 GVIGGSNFQL NNEPNEVVPH PDTYADFPDI KAVVISAETF EGLWLEAGAK FPGLN

> RXA01632 (1-1005, translated) 335 residues
 MTLRIALFGA GRIGHVHAAN IAANPDLELV VIADPFIEGA QRLAEANGAE AVASPDEVFA
 RDDIDGIVIG SPTSTHVDLI TRAVERGIPA LCEKPIDLDI EMVRACKEKI GDGASKVMLG
 FNRRFDPSFA AINARVANQE IGNLEQLVII SRDPAPAPKD YIAGSGGIFR DMTIHLDMA
 RFFVPNIVEV TATGANVFSQ EIAEFNDYDQ VIVTLRGSKG ELINIVNSRH CSYGYDQRLE
 AFGSKGMLAA DNIRPTTVRK HNAESTEQAD PIFNFFLERY DAAYKELAT FAQGIRDGQG
 FSPNFEDGVI ALELANACLE SAQTRGRTVTL NPANV

> RXA01633 (1-1083, translated) 361 residues
 MKNITIGMVG VGRIGRMHVA NMLAVAETLK ERDLNIEIVL ADAMPGFAEQ VGADMGVKAA

ASVDKLIEDG VDALFIATST AGHVDVLRKG IAAKLPMFCE KPIASDVPES LNIIREIDAA
 GATVQVGHQR RFDLGYQEAK RRLDAGDLGW LHSLKAVSSD AFPPPSYCA TSGGLFRDVS
 LHDFDIIRWL TGQDIVEVYA KGSNNGDPEI GAVGDIDTGA ALLTLADGTL ATAIATRYNG
 AGHDVRLDVM GSKDSTIVGL DEKSAFASAE EGIDFPTGES HPTFAERFAD AYKNECIAFV
 ELILGERENP CTPADAVAAA IVADAAQLSL VTGEPVKIPT VREILEGSAQ PVEVRALVPS
 A

> RXA01695 (1-210, translated) 70 residues
 AGLLGASPGA SIAPSAMIEL LERCFGDRMI EWGDKLKDMI PSYGKKLASE PALFEQQWAR
 TQKTLKLEEA

> RXA01702 (1-1032, translated) 344 residues
 MPIATPEVYN EMLDRAKEGG FAFFPAINTS SETINAALKG FAEAEESDGII QFSTGGAEFG
 SGLAVKNKVKAVALAFAAH EAAKSYSINV ALHTDHQCQE VLDEYVRPLL AISQERVDRG
 ELPLFLQSHMW DGSAVPIDEN LEIAQELLAK AKAANIILEV EIGVVGGEED GVEAKAGANL
 YTSPEDFEKT IDAIGTGEKG RYLLAATFGN VHGVYKPGNV KLRPEVLLEG QQVARKKLGL
 ADDALPFDFV FHGGSGSEKE KIEEALTYGV IKMNVDTDTQ YAFTTRPIVSH MFENYNGVLIK
 IDGEVGNKKA YDPRSYMKKA EQSMSERIIIE SCQDLKSVGK TTTSK

> RXA01705 (1-603, translated) 201 residues
 MGILNSISTP ADLKALNDED LDALAKEIRT FLVDKVAATG GHLGPNLGVV ELTIGLHRVF
 DSPQDPPIIFD TSHQSIVHKI LTGRAKDFDS LRQKDGLSGY TCRAESEHDW TESSHASAAL
 SYADGLSKAK QLDGDTTHSV VAVVGDGALT GGMCWEALNN IAAGKDRKVV VVNDNGRSY
 SPTIGGFAEN LAGLRMQPFY D

> RXA01743 (1-801, translated) 267 residues
 MDLNTFWFIL IAFLFAGYFL LEGDFGVGI LAPIJGKDSA ARNTVIRTIG PVWDGNEVWL
 IVAGGALFAA FPEWYATMFS GMYLPLFLVL VSLIMRVVGL EWRKKVDDPR WQKWSDRAIF
 IGSWTPPLMW GFIFANILRG MPLKADHTID AAAALPGMVN VFAILGALAF TALFALHGLA
 FIRLKTAGRV RTDAAKAAPV VAILAAVTGG PFVLWAAIAY GRSWSWILAV LIIAAVLGGA
 FALIKDRDGL SFLSTSVAVI GVVALLF

> RXA01744 (1-1302, translated) 434 residues
 WSEYSRFVGD VFGGPLALEG LIAFFLESVF LGLWIFGWGK IPGWLHTASI WIVAIATNIS
 AYFIIVANSF MQHPVGAEYN PETGRAELTD FWALLTNSTA LAAFPHAVAG GFLTAGTFVL
 GISGWWIIRA HRQAKKAENSE IESKHSMHRP ALWVGWTTV VSSVALFITG DIQAKLMFVQ
 QPMKMASAES LCETATDPNF SILTIGTHNN CDTVTHLIDV PFVLPFLAEG KFTGVTLQGV
 NQLQAAAEQA YGPGNYSPNL FVTYWSFRAM IGLMLGSLAI AAIAWLLLKR KRTPTGKIA
 LFQIGSLIAI PFPFLANSAG WIFTEMGRQP WVVPNPESA GDARTEMIRM TVDMGVSDHA
 PWQVWLTLIG FTILYLILFV VWWVLIRRRAV LIGPPEEGAP SVEAKTGPAT PIGSDMPMT
 LQFTAAAPTT GEKE

> RXA01745 (1-1494, translated) 498 residues
 ILADEDDTVL VGAVIARIGD ANAAAAPAE EAAPAECEE VKEEPKKEAA PEAPAATGAA
 TDVEMPELGE SVTEGTITOW LKAVGDTVEV DEPLLEVSTD KVDTEIPSPV AGTIVEILAD
 EDDTVVGAV IARIGDANAA AAPAECEEAP AEEEEEVKKEE PKKEEPKKEE PKKEAATT
 PAAASATVSASG DNVPYVTPLV RKLAEKHGVD LNTVTGTGIG GRIRKQDVLA AANGEAAPAE
 AAAPVSAWST KSDPEKAKL RGTTQKVNR REITAMKTVE ALQISAQLTQ LHEVDMTRVA
 ELRKKNKPAF IEKGHVNLT LPFFVKAVVE ALVSHPNVNA SFNAKTKEMT YHSSVNL
 VDTPAGLLTP VIHDAQDLSI PEIAKAIVDL ADRSRNNKLNK PNDSLGGTFT ITNIGSEGAL
 SDTPILVPPQ AGILGTGAIV KRPVVITEDG IDSIAIRQMV FLPLTYDHQV VDGADAGRFL
 TTIKDRLETA NFEGDLQL

> RXA01758 (1-1017, translated) 339 residues
 MPKYIAMQVS ESGAPLAANL VQPAPLKSRE VRVEIAASGV CHADIGTAAA SGKHTVFPVT
 PGHEIAGTIA EIGENVSRWT VGDRVAIGWF GGNCGDCAF C RAGDPVHCRE RKIPGVSYAG
 GWAQNIVVPA EALAAIPDGM DFYEPAPMGC AGVTTFNALR NLKLDPGAAV AVFGIGGLVR
 LAIQFAAKMG YRTITIARGL EREELARQLG ANHYIDSNDL HPGQALFELG GADLILSTAS
 TTEPLSELST GLSIGGQLTI IGVDGDDITV SAAQLMMNRQ IITGHLTGSA NDTEQTMKFA
 HLHGKVPLIE RMPLDQANE A IARISAGKPR FRIVLEPNS

> RXA01814 (1-1662, translated) 554 residues
MAHERAGQLA QPEDLIDVAE LVTAYFTRKP DVNNPDDQVA FGTSGHRGFA LDSAFNEDHI
LATTQAIVDY RNQQPKNWVG PLFIGRDTHA LSEPAMISAL EVLIANDVEV LVDADGRYTP
TPAVSHAILR HNDGIILGTA GPSRPYADGI VITPSHNPPR DGGFKYNPAN GGPADTDATD
WIANRANDIL RGDLADVKRV PVSGVLDERT TAYDFKGIYI ADLPNVVNID AIREAGVRIG
ADPMGGASVD YWGAIATEHG LNLTVVNPBV DSTFRMFTLD TDGKIRMDCS SPHAMASLID
NRDKFDVATG NDADADRHGI VTPDAGLMNP NHYLAVAEY LFAHRPGWSA DTAVGKTLVS
SSMIDRVVAQ LGRTLVEVPV GFKWFVPGLI SGEIGFGEE SAGASFLRMD GTTWSTDKDG
LILDLAAEI IAVTGKTPSQ RYAEELAEEFG APAYARTDAE ANREQKAILK ALSPEQVTAT
ELAGEAITAK LTEAPNGAA IGGLKVTTEN AWFAARPSGT EDKYKIYAES FKGEELAQQ
QKEAQALVSE VLQ

> RXA01839 (1-684, translated) 216 residues
MRMNAPVPLG GTSNHLLTV LKDLGAWDPF NVTEDADLG RIAAKGYSTA VLDSVTWEEA
NSDTINWLRQ RSRWYKGYLQ TWLVYMRPK WLWQELGIIP AVRFTFLMAG TPIIAVLNL
FWYLSLTWIL GQP GTIEQMF PPAVYYPALV CLVVANAATI FMNLIGCREG RDPLLLIAVL
TFPLYWILMS IAALKGTWQL ITRPSYWEKT AHGLEA

> RXA01851 (1-1686, translated) 562 residues
MTSAHFESRR IGPPLRDNYD VIVIGGGISG VQIARHAQGR GLRTVMFEAR DYSSGTSSTT
SKMIHGLRY LEQYDFGVVQ EAVKERRYLG IAAPHLVAPR SFMLTAFDWS EPKAPMLGAG
VALYETMAWQ RNQGQSKENH SPRFRWIPKN ALLKEPVWLD PEGLKGAWRH DDTLNHLAER
LLLAVIKAFA ADDGGTAINHA KVTRILRNVE EGRVKGVEVT DQVTNTTHEV NAPVVINAAG
PWVAQALGDL AEVTKLKVRQ SKGVHLLTGD LGSQSGVFVR GKNGKHVIWN PWMGRTLIGP
TDTMIDGDAD DAAADES DID LLLETIDS VR ATPLDRKEII STLGVVRPLV DDGTDYTSS
RRFDISDHAN VGIDGLVS VS GGKWTTSRV M GYK VIEHV VE HQAAVLPP LR HFDSRQMPLS
TSFGAYESVA DSFESALRSH PELDVDEIR VHLARLYGTE HEKVLDLVAK QPD LGRRRLDP
DNLDIAAQAV FAVAEEAADV LADVLDRR JV LGTLGYVQPA AVRATAEAMA QVTCWSAELI
DAQCQSYLAK QDKIQAVLKP YR

> RXA01859 (1-927, translated) 309 residues
MKKKSFPIAR VIGIGVLGIA GMGILLWL A VTLSDPASPG AKETEVFDRW KVLFDDYIPP
VRVLVAAIIV ALIFVFIAAT VERTVTNRYR SSVDGERVPL APKIVMAETR GVFGHPITIN
VLVPAHNEAE RITGTIQALK SQHEPPERIV VVADNCTDET TELARAEGVE VLETVNNKFK
KAGGLNQALS RMLPTLGEND IVMIVDADTA LDQGFLKEAR RRFESDRALM AVGGLFYGES
GSGWLQYQR NEYTRYSRDI YRRRGRFV L TGTASA FRPR GLRTVAESRG TLIPGRKADV
YDTAGVDRR

> RXA01865 (1-315, translated) 105 residues
MTYTIAQPCV DVLDRA C VEE CPVDCIYEGK RMLYIHPDEC VDCGACEPAC PVEAIFYEDD
VPDEWLDYND ANAAFFDDL G SPGAAKLG P QDFDHPMIAA LPPQA

> RXA01882 (1-990, translated) 330 residues
MIITFTP NPS IDSTLSLGE LSRGSVQR LD SVTAVAGKG INVAHAVLLA GFETLAVFPA
GKLDPFVPLV RDIGLPVETV VINKNVRTNT TVTEPDGTT KLNGPGAPLS EQKLRSL EKV
LIDALRPEVT WVVLAGSLPP GAPVDWYARL TALIHSARPD VRVAVDTS DK PLMALGESLD
TPGAAPNLIK PNGLELGQLA NTDGEELEAR AAQGDYDIAI AAADVLVN RG IEQVLVTLGA
AGAVLVNAEG AWTATSPKID VVSTVGAGDC A LAGFVMARS QKKTLEESLL NAVSYGSTAA
SLPGTTIPRP DQLATAGATV TQVKGLKESA

> RXA01884 (1-1473, translated) 491 residues
MHVDGFREDL ASTLAREFDD VDRLATFFDL VQQDPVVSQV KLIAEPWDVG EGGYQVGNFP
PLWTEWNGKY RDTVRDFWRG EPATLGEFAS RLTGSSDLYA NNGRRPTASI NFVTAHGFT
LNDLVSYNEK HNMANGEDGR DGESHNRSWN CGVEGPTDDP EIMQLRAQQR RNFLTLLLS
QGTPMLSHGD EMARTQNGNN NVYCQDNELA WVNWDQAEEN ADLVSFTRRL LRIRANHPVF
RRRQFLAGGP LGADVRDRDI AWLVPNGTLM TQDDWDFAFG KSLQVFFNGD AIEEPDYRGQ
KIHD DS FILM FNAHFEPIDF NLPPEHFGMK WKLLVDTTEA VGHPLEDLTI EAGGTITVPA
RSTMLLRQVE APDYTKLEEK IAAEKREQEL AAEKEAAEKR ELELAAKEA EDAAEALHLA
AERASTQEAE LAHQHGADAI ADEVAEEPQE LPQDEVAE AV ETEPDTEPDT ESDSEQAEVA

SEEPEADEEE K

> RXA01886 (1-774, translated) 258 residues
 MTFKLAACAE MIYQDLPFEE RVKTISDQGF LVEIWDWSTK DIDALVATGA EFSSMTGYLR
 GDLITEQGRA ELLATASESL AVAEKLNCPR LNLHGTGLGP QGLPVTPIEV VTPEMWLYAA
 ETLRQIAELG ERAGKVFVLE NLNLAVDHGP TPFAKATDTL ALVKAVNHNPN LRLNLDLYHA
 QIGEGNLIEL LREAQPFIGE IQVADVPGRM EPGTGEINYQ GVAKALAAMG YDGVIGMEAW
 ASGDSSDALQ ALKSAFTV

> RXA01887 (1-1011, translated) 337 residues
 MSVKLALIGA GRIGSNHARL ITNHWIGSEL VAVVDPTPNA ETLADELGAV AFSNPDDVLT
 RDDIDAVLIA TPARTHADLV VKAAAAGKHV FVEKPMAVTL EDADRAINAA REANTVLQVG
 FNRRFAAGFA AARARIDAGD IGTPOQLRSV TRDPGPFTAD PNKIPQWTIF LETLIHDFDA
 LCYLNPGATP VEVTAHADCL VVPEAAAGTGF LDTAVVTVRF DNGAIGTAEA SFSAAYGYDV
 RGEVFGSKGM MTAGDARATN MTFYGAEGIA AATSRADTDL LSDAYRAEFQ AFVDSIRTNT
 PSKVPGEEAR TALLIALGAI RSvetgatin LAESIEV

> RXA01888 (1-558, translated) 186 residues
 MADVAKAAGV STALVSIVFR DAPGASESTR NHVKEKAAEL GYIPDRRAQK LRQNRSGLIG
 VAFEMHQAFH GDIVEHLYPT ARKHGFDLYL SAITPTRTEK DAVNALIRER CEAVILLGSR
 MSPSDLETIA QQLPVQVIAR GSGTPKVSSV HVDDAVGAQL ALNHLIELGH EHIIYIDGGD
 APGTQE

> RXA01891 (1-819, translated) 273 residues
 YYNKDLWAKA GLEDRGPESW EEFSEWGPKL QEAMDSGFAH GWGDATNYLS WTFEGPMWSL
 GGNYSEGWES RLTTPETIRA VEWLKSTVDE GFATVSTDVT NEFATGLIGS CIQSTGDLSS
 VAGAASFDWG VAALPNPTGE GACPTGGAGL GIPSGISEQR QDNALKFIDF LTNAANTGYW
 SRETGYVPVR KDAASDPDHA AFLEENPAYN VAVEQLPDTR SQDNFRVLLP NGDRTIGDAL
 EKICLTGADI DVTIAEVETK LNTIYTRDIE PLI

> RXA01895 (1-816, translated) 272 residues
 HHJFQFLLYQ VATGILSSGE IAPSTRQILG SQENVNVIKG EVTDINVESQ TVTASLGEFT
 RVFEYDSLVV GAGAGQSYFG NDHFAEFAPG MKSIDDALEI RARIIGAFER AEICEDPAER
 ERLLTFVVVG AGPTGVELAG QLAEMAHRTL AGEYKNFNTN SAKIILLDGA PQVLPPFGKR
 LGRNAQRTLE KMGVNVRLNA MVTNVDAATSV TYKTKDGEHH TIESFCKIWS AGVAASPLGK
 LVAEQTGVET DRAGRVMVND DLSVGDQKNV FV

> RXA01901 (1-1260, translated) 420 residues
 MVKRQLPNPA ELLELMKFKK PELNGKKRRL DSALTIYDLR KIAKRRTPAA AFDYTDGAAE
 AELSITRARE AFENIEFHDP ILKPAEHVDT TTQILGGTSS MPFGIAPTGF TRLMQTEGEI
 AGAGAAGAAG IPFTLSTLGT TSIEDVKATN PNGRNWFQLY VMRDREISYG LVERAAKAGF
 DTLMFVDTP IAGYRIRDSP NGFSIPPQLT PSTVLNAIPR PWYWIDFLTT PTLEFASLSS
 TGGTVGDLNN SAMDPTISYE DLKVIREMWP GKLVVKGVQN VEDSVKLLDQ GVDGLILSNH
 GGRQLDRAPV PFHLLPQVRK EVGSEPTIMI DTGIMNGADI VAAVAMGADF TLIGRAYLYG
 LMAGGREGVD RTIAILRSEI TRTMALLGVS SLEELEPRHV TQLAKMVPVS DATRSAAEI

> RXA01915 (1-1008, translated) 336 residues
 IDVVSVVAN FLHREIVEAL LASGKHLCE KPLSDTIEDA EAMIEAAGRA ATNGTIARIG
 LTYRRSPGVA HIRDLVQSGE LGKVLHVTGH YWTDYGSNAQ APISWRYKGP NGSGALADVG
 SHLTYLAEFV AGSDFAAVRG GQLSTVITER PKPLGAIUGH EGGAWSDEYE AVENDDIASF
 SGFIGGGTA TLQVSRISQG HPNTLGFEVF CEKGSVLFDF RNSGEFKIFT PATSGDISQE
 AGYRTITIGP KHPYWRGGLA MDAPGVGIGQ NEGFWFQARA FLEEIAGISE AESLPRCATL
 EEGLHNMQLI DAVSQSAAAG GETVAVPAAA LIPANN

> RXA01919 (1-285, translated) 95 residues
 MTTTDHKQLG IMYIIMSFSF FFLGGLMALL IRAELFTPGL QFLSNEQFNQ LFTMHGTVML
 LLYGTPIVWG FANYVPLPLPT TXQAFSKTRV NSPRE

> RXA01927 (1-1116, translated) 372 residues

NDTRSAQAAL DLNEEIGGDQ AAVDATGSVY VASLTATKMR WMRDHEPENA ARTASVMLPH
 DFLTWHLGMR GRKVTDHGDA SGTGYYSTRD RAWRTDLAAL ALGHEVELPE LLAPNAIAGT
 TPGGVKAAG TGDNAAAALG LDLQPGDVSV SIGTSGVAGM TVQHSVHDPS GLVTGFADAT
 GAYFPLACTL NGAPVLEFGR RILGVEWEEF DALALAAQPG SGGVTLQPYL EGERTPNRPA
 ARGVLAGLNC ATTREDFARA TVEGLLLALD DAVTALVEAT GVPVQRQIQLI GGGARSQAVR
 EIAPEIFGHE IVVPEPAEYV ALGAARQAAW ALSGEATPPQ WPTPGSDPHR APKNTELSTR
 YAKLRAATQG WY

> RXA01952 (1-216, translated) 72 residues
 PGLCRQAGRQ SQGADDRIQH LLEEHGKKLP AEHNYGRMYK LPESMEEHFK ELDPTNTFNA
 GIGGTSPHKD WA

> RXA01955 (1-1599, translated) 533 residues
 MTQPGQTTE SHEAIDAFKR IVGDEHVLT ERATMPFSKG YRFGGGPVFA VVRPGTLVEM
 WRALQVSVDN NLIVIPQASN TGLTGGSGPG FQDYDRPIVI ISTRIDEVH LINDAREAIS
 LAGTPLTHLT DALAKHQREP HSVIGSTSIG ASVIGGIANN SGGSQIRKGP AFTREAIFAR
 VNDDGKVELV NHLGISLGED PEVALDRLQR GEWSPEDVTP APEDSNETEY AEHLRKIVPS
 PARYNANPEY LFEASGSAGK LMVFAVRTRT FPREVHPTVF YIGTNNTHEL EEIRRLFLEA
 DMPLPISGEY MGRSAFDLAE KYGKDTFVFL KFMSPALQTR MFSFKTWANG LFSKIPGIGP
 TFADTVSQAM FSVLPNQLPK RMMEYRNRF EHHLLTVSES QKAASEKMLK EFFAEPEHTG
 EFFICTSDEE KSASLNREFGA ASAATRYAAL KRRHIAGLIP IDVALRRDDW NWLEVLPPEI
 DDQLEVVKAYY GHFFCHVMHQ DYVAKQGVDL EALHDRIQHL LEERGAKLPA EHN

> RXA01989 (1-630, translated) 210 residues
 VKSIHKTIHE GTGAGSDFLG WVDPVYDK EEFSSRIVEAS KRIKENDVL VVIGIGGSYL
 GARAAIEMLT SSFRNSNEY P EIVFVGNHLS STYTKELVDY LADKDFSVNV ISKSGTTTEP
 AVAFRLFKQL VEERYGKEEA QKRIFATTDK EKGALKQLAT NEGYETFIVP DDVGGRYSVL
 TAVGLLPIAT AGINIEAMMI GAAKAREELS

> RXA02026 (1-720, translated) 240 residues
 PFHIQPETGL LNDPNGLIFY KGKYYVSHQW FPLGAVHGLK YWYNNTSDL INFKEGPIL
 NPDTKYDSHG VYSGSAFEYN GHLYYMYTGN HRDNHWQRHA SQMIARLKED GSVEKFPKPV
 ISQQPEGYTS HFRDPKVFKY GEKYIAIIGA QNNDQQGRLL LYNTEDIINW HYLGEINTEL
 DDFGYMWEC P DYFNLDNQDV ILICPQGIEP KGNQFKNIYQ SGYILGKFDI EKLTYEHENF

> RXA02028 (1-426, translated) 142 residues
 MSLPIDEHVN AVKTVVVPA GLGTRFLPAT KTVPKELLV VDTPGIELIA AEAAELGATR
 LAIITAPNKA GVLAHFERSS ELEETLMERG KTDQVEIIRR AADLIKAVPV TQDKPLGLH
 AVGLAESVLD DDEDVVAVML PH

> RXA02054 (1-1017, translated) 339 residues
 MTSLLVTGGA GFIGANFVRQ TVEQHPEYTH ITVLDKLTYA GNADNLKGLP DSKVTLIEGD
 ICDAELVDSL VKDHDTVHF AAESHNDNSL NDPSPFVHTN LIGTFVLLEA VRKHKNRFHH
 ISTDEVFGDL ELDDPNRETE TTAYKPSSPY SATKAGSDHL VHAWIRSGI QATMSNCNSNN
 YGPyQHIEKF IPRQITNILA GLTPKLYGTG EQVRDWIHVD DHNDAVHLIL SKGKIGETYI
 IGADNDHVNN KQVIELICEL MGLDKNAYEH VADRPGHDMR YAMDSTKLRT ELGWAPKYTD
 VDSGMRKGLE QTIDWYRENE AWWRPAKNNV EATYAKQGQ

> RXA02055 (1-921, translated) 307 residues
 MEYGKQLTSH TTDIEGLLF DFPVHGDNRG WFKENWQRTK MTNLGLPDFG PVQNNMSFNA
 TAGTTRGMHA EPWDKFVSA VGSVFGAWVD LRAGSSTYGN VVTQKITPDV GYVPRGVAN
 GFQALEDGT L YTYLVNDHWS PDAHYANVNL NMIDWPLPIT EISEKDKKHP ALIDATPLPA
 RKVLVVGAGG QLGTLRAQF PDAEFVTRQE LDITSDLTEA RAWKQYSTII NAAAYTAVDQ
 AEHDRAAAWD INAAAVATSR PSRATTSPS CTCQPIMSST VRANPTMKTH RFPHSACTAN
 PKQPATS

> RXA02056 (1-2868, translated) 956 residues
 RHSVPRLTG QGTIIGVGSM DYPAEFQGAS EDRLAELGVG KLVTITSTYD HRVIQGAVSG
 EFLRTMSRLL TDDSFWDEIF DAMNPYTPM RWAQDVPTNG VDKNTRVMQL IEAYRSRGHL
 IADTNPLSWV QPGMPVDPHR DLDIETHNLT IWLDLRTFNV GGFGGKETMT LREVLSSLRA

AYTLKVGSEY THILDRDERT WLQDRLEAGM PKPTQAEQKY ILQKLNAAEA FENFLQTKYV
 GQKRFSEGA EALIPLMDSA IDTAAGQGLD EVVIGMPHRG RLNVLFNIVG KPLASIFNEF
 EGQMEQQIG GSGDVKYHLG SEGQHLQMFG DGEIKVSLTA NPSHLEAVNP AMEGIVRAKQ
 DYLDKGVDGK TVVPPLLHGD AAFAGLGIVP ETINLAKLRG YDVGGTIHIV VNNQIGFTT
 PDSSRSRMHYA TDYAKAFGCP VFHVNGDDPE AVVWVGQLAT EYRRRGKDV FIDLVCYRLR
 GHNEADDPSM TQPKMYELIT GRETVRAQYT EDLLGRGDLS NEDAEAVVRD FHDQMESVFN
 EVKEGGKKQA EAQTGITGSQ KLPHGLETNI SREELLELGQ AFANTPEGFN YHPRVAPVAK
 KRVSSVTEGG IDWAWGELLA FGSLANSGRRL VRLAGEDSRR GTFTQRHAVA IDPATAEEFN
 PLHELAQSKG NNGKFLVYNS ALTEYAGMGF EYGYSVGNED SIVAWEAQFG DFANGAQTI
 DEYVSSGEAK WGQTSLILL LPHGYEGQGP DHSSARIERF LQLCAEGSMT VAQPSTPANH
 FHLLRRHALS DLKRPLVIFT PKSMLRNKAA ASAPEDFTEV TKFQSVINDP NVADAALKVKK
 VMLVSGKLYY ELAKRKEKDGG RDDIAIVRIE MLHPIPFNRI SEALAGYPNA EEVLVFQDEP
 ANQGPWPFYQ EHLPELIPNM PKMRRVSRRRA QSSTATGVAK VHOLEEKQLI DEAFEA

> RXA02061 (1-1494, translated) 498 residues
 MTNVSGYHRP ELHITAESGV LFAPAGVLLD DDTWHFFHQY RPSPDHGPRW AHQFAERTPF
 VWDICDDVIA PEGDETQVRA GSUVSNNGGV DLYFTSVVGP TSTIQLAHIN NIRGTTelin
 EDELGLDPDV SRIGEVVGNT DGYVKFRSPC VIPGWEDQGN RDEGHSGWLM LAVTGPVEAP
 TVVVLSDLSPDG REWSITGPLS LNGLSGLESD EVLVAPRMR LRDEVDHETV DVLI
 GIDISGYLVG QLNGSEFDVK TPFTRIDFGH DFSRPRNTNY AETTIGYDFA HIFGLMNGVG
 RLDSPTEHLS WKEEGWANAI SFPRIVTLQD GTVFQTPEG LLDAIHESEA AAGWTGLCEI
 PSNSAVEVAL KDQEGERIAAT ITHRHNQLVV DRSMNPNHAG DPRAIAPLTD DETDSLFIIV
 DGSTVEVFAD GGYVSMASRV YFNNGPFSEF EVTTTGASI IRQESHFPVD FSSVSLDIDD
 LTALMQFDEN EPHEGPVR

> RXA02063 (1-1227, translated) 409 residues
 MVKGVKGRPN VLAIVLAGGE GKRLFPLTED RAKPAVPGG TYRLIDFVLS NLVNSGFLKI
 AVLTYQYKSHS LDRHISLWN VSGPTGQYIA SVPAQQRLGK RWFTGSADAI LQSLNLISDE
 KPDYVIVFGA DHVYRMDPSQ MLDEHIAASGR AVSVAGIRVP REEATAFGCI QSDVDGNITE
 FLEKPADPPG TPDDPDMTYA SMGNYIFTTE ALIQALKDDE NNENSDHDMG GDIIIPYFVSR
 NDAHYYDFSG NIVPGATERD KGYWRDVGTI DAFYECHMDL ISVHPIFNLY NSEWPIHTTS
 EGNLPPAKFV RGGIAQSSMV SSGSIISAGT VRNSVLSNNV VVEEGATVEG AVLMPGVRIG
 KGAVVRHAIL DKNVVVRDGE LIGVDQVRDA QPFKVSAGGV VVVGKNQVV

> RXA02100 (1-918, translated) 306 residues
 IAGKAHPHDM GGKKLMQEIV HFADQAGVRD RFLFLPDYDI NLASYLISGA DVWLNNPVRP
 QEASGTSGMK AVMNGGLTLS ISDGWWDEMP KETTGWTIPT VESQDLECRD HLESQALYDL
 LENEVAPLFY KRDKNGIPQD WLQLVRESWT TLSPMVSTR MVRDYTTQYY RPTKHQAELI
 AQPAEAADYA AWLEHIKAEW AGVKVSDLKI SESAITAQEL EVSRVDSGS LNDDEFQAQA
 LFGALGHNGD IEDPEITVLT PRGDGAYAAK VSTDLPGNYG ITARVVPNNR MLVSPAETRL
 ITYLEN

> RXA02113 (1-1206, translated) 402 residues
 LGRINAEEQN LSEYLSDKLW YQDTADATDA VGDPLVAYFS MEGFIHPSLP IYSGGLGVLA
 GENMKASSDL GVPLIGVGLL YTHGYFTQSL SGDGWQOEY KYHDPAELPI EAVKDKNGEQ
 VTVSVTYPGA QEVKIALWVA NVGRIPLLL DTNIEANPEE LRNVTDRLYG GDNEHRIKQE
 LVLGVGGVRA VNAFCEARGL KRSSVAHLNE GHAGFLTLER IRERIAEGME YPAAFEQVRA
 SNIFTHTPV PAGIDRFDME MVRRYLGQQ PEDQQLCVGV PIEKALELGQ ESDPHRFNMA
 HMGLRASQHA NGVAKLHGEV SRDMFAGLYP GYEPRREVPIG HVTNGVHLEPT WVKPEMKELI
 DRVTGGADLA VADSWSNPQA VESEKIWKVR NKFRADLVEV AR

> RXA02122 (1-699, translated) 233 residues
 MLHVMKPGSH AAAEKTQSTV VLLIRHGQTP TTGQVLPQQT PGLHLSDKGE EQAREVAQRL
 AEVPITAVYS SPMERAQETA APTVSAHGLE LTVEPGLIEC DFGEWTGRKL TELNALEEWK
 AVQKTPSTFR FPAGESFVEM QDRMVEAIGN IAQQHPGEIV AAFSHADTIK AAVAHFVGTP
 LDSFQRIFID TASISAVEFT GKSSGVSSHM LLTNSRTGSL GYL RDKLPKA PQP

> RXA02140 (1-1077, translated) 359 residues
 VEQQNKRGGLK RKALLGGVLG LGGLAMAGCE VAPPGGVLGD FLRMGWPDG TPEAVAMGNF
 WSWVWVAAWI IGIIMWGLFL TAIFAWGAKR AEKRGEGEFP KQLQYNVPLE LVLTIVPII

VMVLFFFTVQ TQDKVTALDK NPEVTVDVTA YQWNWKFGYS EIDGSLAPGG QDYQGSDPER
 QAAAEASKKD PSGDNPIHGN SKSDVSYLEF NRIETLGGTD EIPVMVLPVN TPIEFNLASA
 DVAHSFWVPE FLFKRDAYAH PEANKSQRVF QIEEITEEGA FVGRCAEMCG TYHAMMNFEL
 RVVDRDSFAE YISFRDSNPD ATNAQALEHI GQAPYATSTS PFVSDRTATR DGENTQSNA

> RXA02142 (1-651, translated) 217 residues
 VTLANQTAIL DSVTSAVGNT GMAAPQRVAA LNRPNMVSVG TIVFLSQELM FFAGLFAMFY
 VSRANGLANG SWGEQTDHLN VPYALLITVI LVSSSVTCQF GVFAAERGDV YGLRKWFLVT
 IILGSIFVIG QGYEYITLVG HGLTIQSSVY GSIAFFITTGF HALHVIAGVM AFVVVLMRIH
 KSKFTPQAQAT AAMVVSYYWH FVDVWIGLF ITIYFIQ

> RXA02143 (1-888, translated) 296 residues
 MMETNPQTPE GNSMAKPSAK KVKNRRKVRR TVAGALALTI GLSGAGILAT AITPDAQVAT
 AQRDDQALIS EGKDLYDVAC ITCHGVNLQG VEDRGPSLVG VGEGAVYFQV HSGRMPILRN
 EAQAERKAPR YTEAQTLAIA AYVAANGGGP GLVYNEDGTL AMEELRGENY DGQITSADVA
 RGGDLFLRLNC ASCHNFTGRG GALSSGKYAP NLDAANEQEY YQAMLTGPQN MPKFSDRQLS
 ADEKKDIIIAF IKSTKETPSP GGYSLGSLGP VAEGLFMWVF GILVLVAAAM WIGSRS

> RXA02144 (1-1224, translated) 408 residues
 MSNNNDKQYT TQELNAMSNE DLARLGTELD DVTIAYRKER FPIANDPAEK RAARAVTFWL
 VLGIIGGLGF LATYIFWPWE YKAHGDEGLL AYTLYTPMLG ITSGLCILSL GFVVLYVKK
 FIPEEIAVQR RHDGPSEEV DRTTIVALLND SWQTSTLGRR KLIMLAGGG AVLAGLTIIA
 PMGGMIKNPW NPKEGPMDVQ GDGTLWTSGW TLVENDVKVY LGRDTAAIAE SHTDATGEHW
 STTGVSRRLVR MRPEDLAAAS METVFPLPAE MVNDGAEYDP AKDVYEHQMH SVHGP RNAVM
 LIRLRADAE KVIEREGQES FHYGDYYAYS KICTHIGCPT SLYEAQTNRI LCPCHQSQFD
 ALHYGKPVFG PAARALPQLP ITVDEEGYLI AAGNFIEPLG PAFWERKS

> RXA02147 (1-1017, translated) 339 residues
 MFGRRWVSVV ASCVIASTLI LVPSHSGAEE VDQLIADIEH VSQETSAQNE EVKQLEIDIE
 AREVTIKEVQ EQSVSYREAA DQASENVEAY RSEINRIAQA KYRCTVTDPL SIAVSAEDPQ
 NVIDRMSYLS TLTKSTSDVV ESLNAETEKS AEAVYQANRT KAEAEFQLGQ LKVRQAELES
 EKEALDGRKS EIRDRVDAALT PQEREMWVAK NGPLDIDLTD LLGLSAATSG AVDAALSKLG
 SPYGWGGIGP NEFDCSGLIY WAYQQMGKTL PRTSQAQMAG GTPVSRDELQ PGDVIGYYPG
 ATHVGIYIGD GKIVHASDYG IPVQVVSVDs APFYGARRY

> RXA02149 (1-969, translated) 323 residues
 MPQKPASFAV GFDIGGTNMR AGLVDESGRI VTSLSAPSPR TTQAMEQGIF DLVEQLKAES
 PVGAVGLAVA GFLDPECEVV RFAPHLPWRD EPVREKLENL LGLPVRLEHD ANSAAWGEHR
 FGAAQGADNW VLLALGTGIG AALIEKGEIY RGAYGTAPEF GHLRVVRGGR ACACGKEGCL
 ERYCSGTALV YTARELASHG SFRNSGLFDK IKADPNsing KTITAAARQE DPLALAVLED
 FSEWLGETLA IIADVLDPGM IIIGGGLSNA ADLYLDRSVN HYSTRIVGAG YRPLARVATA
 QLGADAGMIG VADLARRSVV EAN

> RXA02175 (1-1293, translated) 431 residues
 VATDNNKAVL HYPGGEFEMD IIEASEGNNG VVLGKMLSET GLITFDPGYV STGSTESKIT
 YIDGDAGILR YRGYDIADLA ENATFNEVSY LLINGELPTP DELHKFNDEI RHHTLLDED
 KSQFNVFPRD AHPMATLASS VNILSTYYQD QLNPLDEAQL DKATVRLMAK VPMLAAYAHR
 ARKGAPYMP DNSLNARENF LRMMFGYPT E PYEIDPIMVK ALDKLLILHA DHEQNCSTST
 VRMIGSAQAN MFVSIAGGIN ALSGPLHGG A NQAVLEMLED IKS NHGGDAT E FMNKVKNKE
 DVRLMGFGH RVYKNYDPRA AIVKETAHEI LEHLGGDDLL DLAIKLEEIA LADDYFISRK
 LYPNVDFTG LIYRAMGFPT DFFTBLFAIG RLPGWIAHYR EQLGAAGNKI NRPRQVYTGN
 ESRKLPREE R

> RXA02196 (1-693, translated) 231 residues
 MIKAI FWDMD GTMVDSEPQW GIATYELSEA MGRRLTPELR ELTVGSSLPR TMRLCAEHAG
 ITLSDADYER YRAGMFARVH ELFDESVPN PGVTELLTEL KALEIPMLVT TNTERDLATR
 SVAAVGNEFF IGSIAGDEV P TAKPAPDMYL EAARRVGFDP SECLVFEDSY NGMLGAVTAG
 CRVIGLHPEE VQAPEGVVPL RSLHGKNSFE GVTAEMVTAW YHQIEPAGVA K

> RXA02209 (1-1659, translated) 553 residues

VVPSIAGPKR PQDRILLSEA KEQFRKDLPT YTDDAVSVDT SIPATRMVNE GGGQPEGGV
 ADNYNASWAG SGESLATGAE GRPSKPVTVA SPQGGEYTID HGMVAIASIT SCTNTSNPSV
 MIGAGLIARK AAEGLKSKP WVKTICAPGS QVVDGYQRA DLWKDLEAMG FYLSGFGCTT
 CIGNGPLPE EISAAINEHD LTATAVLSGN RNFEGRISPD VKMNYLASPI MVIAYAIAGT
 MDFDFENEAL QDQDGNDVF LKDIWPSTEE IEDTIQQAIS RELYEADYAD VFKGDKQWQE
 LDVPTGDTFE WDENSTYIRK APYFDGMPVE PVAVTDIQGA RVLAKLGDSV TTDHISPASS
 IKPGTPAAQY LDEHGVERHD YNSLGSRRGN HEVMMRGTFNA NIRLQNQLVD IAGGYTRDFT
 QEGAPQAFIY DASVNYKAAG IPLVVLGGKE YGTGSSRDWA AKGTNLLGIR AVITESFERI
 HRSNLIGMGV VPLQFPAGES HESLGLDGTE TFDITGLTAL NEGETPKTVK VTATKENGDV
 VEFDAICPHR HPR

> RXA02213 (1-717, translated) 239 residues
 VTESKNSFNA KSTLEVGDKS YDYFALSAPV GMEKLPYSLK VLGENLLRT E DGANITNEHI
 EAIAINWDASS DPSIEIQFTP ARVLMQDFTG VPCVVLDATM REAVAALGGD PNDVNPLNPA
 EMVIDHSVIV EAFGRPDALA KNVEIEYERN EERYQFLRWG SESFSNFRVV PP GTGIVHQV
 NIEYLARVVF DNEGLAYPDT CIGTDSHTTM ENGLGILGWG VGGIEAEAAM LGQPVSMLI

> RXA02245 (1-657, translated) 219 residues
 MAQRTPPLIAP SILAADFSRL GEQVLA VDPDA DWIHVDIMDG HFVPNLSFGA DITA AVNRVT
 DKELD VHLM ENPEK WVDNY IDAGADCIVF HVEATEGHVE LAKYIRSKGV RAGFSLRP GT
 PIEDYLLDLE HFDEVIVMSV EPGFGGQSF M PEQLEKVRTL RKVIDERGLN TVIEIDGGIS
 AKTIKQAADA GVDAFVAGSA VYGAEDPNKA IQELRALAQ

> RXA02256 (1-1002, translated) 334 residues
 MTIRVINGGF GRIGRNFFRA VLERSDDLEV VAVNDLTDNK TLSTLLKFDS IMGRLGQEVE
 YDDDSITVGG KRIAVYAERD PKNLDWAHHN VDIVIESTGF FTDANAAKAH IEAGAKKVII
 SAPASNE DAT FVYGVNHESY DPENHNVISG ASCTTNCLAP MAKVLNDKFG IENGLMTTVH
 AYTGDQLHD APHRDLRRAR AA AVNIVPTS TGAAKAVALV LPELKKGKLDG YA JRVPVITG
 SATDLT:FNTK SEVTVESINA AIKEAAVGEF GETLAYSEEP LVSTDIVHDS HGSIFDAGLT
 KVSGNTVKVV SWYDNEWGYT CQLRLTEL V ASKL

> RXA02257 (1-1215, translated) 405 residues
 MAVKTLKDLL DEGV DGRHVI VRSDFN VPLN DDREITDKGR IIASLPTLK A LSEGGA KVIV
 MAHLGRPKGE VNEKYS LAVP AEALSDEL GQ YVALAADVG EDAHERANGL TEGDILL EN
 VRFDPRETSK DEAERTAFAQ EL AALAADNG AFVSDGFGVV HRAQT SVYDI AKLLPHYAGG
 L VETEISVLE KIAESPEAPY VVVLGGSKVS DKIGVIEAL A KADKII VGG GMCYTFLAAQ
 GHNVQOSLLQ EEMKATCTDL LARFGDKIVL PVDLVAASEF NKDAEKQIVD LDSIPEGWMS
 LDIGPESVKN FGEVLSTAKT IFWNGPMGVF EFAAFSEGTR GIAQAIIDAT AGNDAFSVVG
 GGD SAASV RV LGLNEDGF SH ISTGGASLE YLEGKELPGV AILA Q

> RXA02258 (1-777, translated) 259 residues
 MARKPLIAGN WKMNLDHQQA IGT VQKLAFA LPKEYFEKVD VAVTVPFTDI RSVQ TLVEGD
 KLEV TFGAQD VSQHESGAYT GEVSASMLAK LNCSWVVVGH SERREYHNES DELVAAKAKA
 ALSNGISPIV CVGEPLEIRE AGTHVEYVVE QTRKSLAGLD A AELANTVIA YEPVWAIGTG
 KVASAADAQE VCKAIRGLIV ELAGDEVAEG LRILYGGSVK AETV A EIVGQ PDVDGGLVGG
 ASLDGEAFAK IAANAASVA

> RXA02259 (1-2772, translated) 924 residues
 VFKVVM TD FL RDDIRFLGQI LGEVIAEQEG QEVYELVEQA RLTSFDIAKG NAEMDSL VQV
 FDG ITPAKAT PIARAFSHFA LLANLAEDLY DEELREQALD AGDTPPDSTL DATWLKLNEG
 NVGAEAVADV LRNAEVAPV LTAHPTETRRR TVFDAQKWIT THMRERHALQ SAEPTARTQS
 KLDEIEKNIR R RITILWQTA LIRVARPRIE DEIEVGLRYY KLSLLEEIPR INRDV AVELR
 ERFGE GPVPLK PVVKPGSWIG GDHDGPNPYVT AETVEYTHR AAETV LKYYA RQLHSLEHEL
 SLS DR MNKVT PQLLALADAG HNDVPSRVDE PYRRAVHGVR GRILATTAE IGEDAVEGVW
 FKVFTPYASP E EFLNDALTI DHSLRESKDV LIADDRLS VLS ISAI ESFGFN LYALDLRQNS
 ESYEDV LTEL FERAQVTANY R ELS EAEKLE VLLKELRSPR PLIPHGSDEY SEVT DRELGI
 FRTASEAVKK FGPRMVPHCI ISMASSVTDV LEPMVLLKEF GLIAANGDNP RGTVDV IPLF
 ETIE DLQAGA GILDELW KID LYR NYLLQ RD NVQEVMLGYS DSNK DGGYFS ANWALYDAEL
 QLVELCRSAG VKLRLFHGRG GTVGRGGGPS YDAILAQPRG AVQGSVRITE QGEIISAKYG
 NPETARRNLE ALVSATLEAS LLDVSELTDH QRAYDIMSEI SELSLKKYAS LVHEDQGFID

YFTQSTPLQE IGSLNIGSRP SSRKQTSSVE DLRAIPWVLS WSQSRVMLPG WFGVGTALEQ
 WIGEGEQATQ RIAELQTLNE SWPFFTSVLD NMAQVMSKAE LRLAKLYADL IPDTEVAERV
 YSVIREEYFL TKKMFCVITG SDDLLDDNPL LARSVQRYP YLLPLNVIQV EMMRRYRKGD
 QSEQVSRNIQ LTMNGLSTAL RNSG

> RXA02288 (1-846, translated) 282 residues
 MSQVIPASSQ EKRRERIVSY VTRHGFARVE ALAELFEVSA MTIHRDLEA AADNLVERIR
 GGARSVSPSM SELAVEQRRH LHRTVKEALC TAAARLIPEG AVVAIDDSTT LESLVEKLPQ
 RSPSALITHS LKTMADHRVR AGMSDIRLIA CAGLYFAETD SFLGKATSAQ LNELSADISF
 VSTTAVRATG EVPALFHEDM EAADTKRALI GIGSVRVLVV DSSKFGSAGV FKVASIEEF
 HIIIDQQCTR EQRDLLRNSR AQIHVIDHNG DEILDTPTEE DF

> RXA02292 (1-675, translated) 225 residues
 MDNDFESIEK MSSGDWYVAT GAEREEVAQK TALLFHHEYNO IGPTDPARTA EILRTVLNPA
 SGTCTIKAPA IIEYGFNTTI GEHVFINFGL TILDIAPVRI GARSMGPNC QLFTAGHPVD
 DWEMRSGGWE NGAPISIGED TWLGGNVTVV GGVSIGDRCV IGAGPVVTKD IPDDSIAVGN
 PARVVRKRDD SRLERSQLPE GASVDALGIL PTKSPLRSEN IAEKY

> RXA02322 (1-411, translated) 137 residues
 MRIHDVYTHL SADNFPKAEH LAWFSELAT DPVEVTPDVS EMIINRIIDN AAVSAASVLR
 RPVTVARQQA QSHPREKGK VFGISGSYSP EWAAFANGVA VRELDHFHTF LAAEYSHPGD
 NIPPLLAVAQ AQRSSGR

> RXA02326 (1-816, translated) 272 residues
 MLGRPTKVTP SSKVVGDLAL HLVGAGVDPA DFAADPQKYD IPDSVIAFLR GELGNPPGGW
 PEPLPTRALE GRSEGKAPLT EVPEEEQAHL DADDSKERRN SLNRLLFPKP TEEFLEHRRR
 FGNTSALDDR EFFYGLVEGR ETLIRLPDVR TPLLVRLDL SEPDDKGMRN VVANVNGQIR
 PMRVRDRSVE SVTATAEKAD SSNKGHVAAP FAGVVTVTVA EGDEVKAGDA VAIIEAMKME
 ATITASVDGK IDRVVVPAAT KVEGGDLIVV VS

> RXA02327 (1-960, translated) 320 residues
 LLATRVRSAFA LKPAAEAVAK LTPELLSVEA WGGATYDVAM RFLFEDPWDR LDELREAMPN
 VNIQMLLRGR NTVGYTPYPD SVCRAFVKEA ASSGVDFR FDALNDVSQM RPAIDAVLET
 NTAVAEVAMA YSGDLSDPNE KLYTLDYLYK MAEEIVKSGA HILAICDMAG LLRPAAVTKL
 VTALREFDL PVHVHTHDTA GGQLATYFAA AQAGADAVDG ASGTTVWHHL PSHPLSAIVA
 AFAHTRRDTG LSLEAVSDLE PYWEAVRGLY LPFESGTPGP TGRVYRHEIP GGQLSNLRAQ
 ATALGLADRF ELIEDNYASR

> RXA02328 (1-1383, translated) 461 residues
 ASEAVRIGTE GSPVKAYLDI DEIIGAAKKV KADAIYPGYG FLSENAQLAR ECAENGITFI
 GPTPEVLDL TDGDKSRAVTA KKAGLPVLAE STPSKNIDEI VKSAEGQTYF IFVKAVAGGG
 GRGMRFVASP DELRKIMATEA SREAAAFGD GAVYVERAVI NPQHIEVQIL GDHTGEVVHL
 YERDCSLQRR HQKVVEIAPA QHLDPELRDR ICADAVKFCR SIGYQGAGTV EFLVDEKGHN
 VFIEMNPRIQ VEHTVTEEVN EVDLVKAQMR LAAGATLKL GLTQDKIKTH GAALQCRITT
 EDPNNGFRPD TGTITAYRSP GGAGVRLDGA AQLGGEITAH FDSMLVKMTC RGSDFETAVA
 RAQRALAEFT VSGVATNIGF LRALLREEDF TSKRIATGFI ADHPHLLQAP PADDEQGRIL
 DYLADETVNK PHGVRPKDVA APIDKLPNIK DLPLPRGSRD R

> RXA02329 (1-603, translated) 201 residues
 TATRQSRKGE ISSWKAFAPA FAGKMAIEAM DRAMRGEGLSP APIWEGEDGV IAWLLSGKDH
 VYHVPLPEHG EPKLGILETY TKEHSAYQS QAPIDLARRM KPLVDAAGGT EHIAEIVLRT
 SHHTHYVIGT GANDPQKMDP QASRETLDHS IMYIFAVALQ DGVWHHEFSY TRKRSTRPET
 VELWHKIRTG EDPEWTRRYH S

> RXA02332 (1-1143, translated) 381 residues
 MSDSQVRKGL NGVISDYTSI SKVMPESNSL TYRGYAVEDL VENCSFEEVI YLLWFGEPLIT
 TEQLRTFNTT GRSYRSLDAG LISLIHSLPN TCHPMDVLR AVSYMGTDFP DPFTRDADHI
 RSIGHNLLAQ LPMVVAMDIF RRSGEEIIAP DHNKGIASF LSMVFGNDDG SVANSADDI
 DFERSLILYI EHSFNASTFS ARVISSTRSD TYSAITGAIG ALKGPLHGGA NEFVMHTMLD
 IDDPNNAADW MGKALDRKER IMGFGRVYK NGDSRVPMS KSMRSLAARH RGQKWKVHMYE

SMQEVMEMART GIKPNLDFPA GPAYYMLGFP VDFFTPLFVL ARVSGWTahi VEQFENNALI
RPLSAYNGVE EREVVPISER T

> RXA02333 (1-219, translated) 73 residues
EIGYNAVIYP VTTLRIAMGQ VEQALAEIKE HGTQEGWLDR MQHRSRLYEL LRYEDYNVFD
QHIFTYRKGE NNE

> RXA02379 (1-705, translated) 235 residues
MRKHRWANAA GLYADTVAES TIGLILAQMHN MHATTRLAKS WSVRPEVENN KSWLHDNKTV
AILGAGGIGIV RLLEMLKPFN VKTIAVNNSG RPVEGADEF AMDKAEHVWA EADVFLILP
LTDATYQIVN AETLGKMKPS AVVVNVGRGP LINTDDLVDN LNNGTIAGAA LDVTDPEPLP
DSHPLWEMDN VVITPHTANT NERIRALTGE LTLLRNIELFE AGEQMATEVD VVAGY

> RXA02399 (1-1296, translated) 432 residues
MSNVGKPRTA QEIQQDWDTN PRWNGITRDY TADQVADLQG SVIEEHTLAR RGSEILWDAT
TQEGDGYINA LGALTGNQAV QQVRAGLKAV YLSGWQVAGD ANLSGHTYPD QSLYPANSVP
SVVRRINNAL LRSDEIARTE GDTSDVNWVV PIVADGEAGF GGALNVYELQ KAMIAAGAAG
THWEDQLASE KKCGHLLGGKV LIPTQQHIRT LNSARLAADV ANPTVVIAR TDAEAATLIT
SDVDERDQPF ITGERTAEGY YHVKNGLGPC IARAKSYAPY ADMIWMETGT PDLELAKKFA
EGVRSEFPDQ LLSYNCSPSF NWSAHLEADE IAKFQKELGA MGFKFQFITL AGFHSLNYGM
FDLAYGYARE GMTSFVDLQN REFKAEEERG FTAVKHQREV GAGYFDQIAT TVDPNSTTA
LKGSTEEGQF HN

> RXA02404 (1-2136, translated) 712 residues
MQVAKVLYDF VTEAVLPRVG VDAEKFWSGF AAIARDLTPR NRELLARRDE LQMLIDDYHR
NNSGTIDQEA YEDFLKEIGY LVEEPEAAEI RTQNVDTETIS STAGPQLVVP ILNARFALNA
ANARWGSLYD ALYGTNAIPE TDGAEGKKEY NPVRGQKVIE WGREFLDSVV PLDGASHADV
EKYNITDGKL AAHIGDSVYR LKNRESYRGF TGNFLDPEAI LLETNGLHIE LQIDPVHPIG
KADKTGLKDI VLESAITTIM DFEDSVAAVD AEDKTLGYSN WFGLNTGELK EEMSKNKRIF
TRELNKDRVY IGRNGTELVL HGRSLLFVRN VGHLQMNPsi LIIDGEEIFEG IMDAVLTTVC
AIPGIAPQNK MRNSRKGSYI IVKPKQHGPE EVAFTNELFG RVEDLLDLPR HTLKVGVMDE
ERRTSVNLDA SIMEVADRLA FINTGFLDRT GDEIHTSMEA GAMVRKADMQ TAPWKQAYEN
NNVDAGIQRG LPGKAQIGKG MWAMTELMAE MLEKKIGQPR EGANTAWVPS PTGATLHATH
YHLVDVFVQ DELRAAGRRA SLRNILTIST APNTNWSEEE KKEEMDNNNCQ SILGYVVRWV
EHGVGCSKVP DIHDIDLMED RATLRISQSM LANWIRHDVV SKEQVLESLE RMAVVVDKQN
AGDEAYRDMA PKYDASLAFQ AAKDLIFEGT KSPSGYTEPI LHARRREFKA KN

> RXA02414 (1-747, translated) 249 residues
MSYNSPYNNNT NFSTTGAFQP AGGPVKPWNK PDASLNQQLK NKSrvrtGLT IAIGYVVVIW
AVHLASIVIA LLTGFNLTNF GIHPLDTSAL WGIFTSPLLH GSFSHLIGHT VPGFIFSFLI
GMSGKRVFWE VTIIAGLIGG LGTWIFGGIG TNHIGASGLI YGWLGYLIVR GIFNKDIKQF
LLGIVLAFIY SGLFWGLLPT QIGVSWQGHL FGALGGIGAG AFIASDDPAA LKAKKQQKKL
EKQQRQRGL

> RXA02435 (1-558, translated) 186 residues
VTDNLGSTSI GDAWILYAPL MDDGGFGPLR AIGGMFLHIG PGHMLLNLVL LWLLGREIER
DFGSALFTAM YFVGGIGASA AVIWMDPYSP TAGASGAIYA MMAILVGLFV LRSADIRAPL
ILIAINIAYT LMSTNVSLWG HLGGLITGAL ITWPMVKAKT QRTRWIIVLI GFAVVVAAVI
LGIDRV

> RXA02440 (1-840, translated) 280 residues
MVSHGAPGDT FWDLVRKGAE DAAQKDNLVEL RYSSNPEIPE QSNLVQNAID SRVDGIAMTM
PNAQSLGPVA QKAVDAGIPV VGLNAGMNEY QDYGMTGFFG QDESVAGASA GARLAEENAQ
KVLCVIHEQG NSSQEARCQG VSEGLGKQVE TLYVNGMDLT SVNSTLQAKL AQDRSIDWVV
GLQAGVSMAI SDAADAANSE VKIATFDTNA QLMTAIRDGK IQFAIDQQPY LQGYMAVDSL
WLAHRNGTTV GGGRPVYTGP AIVDATNVDV IAEAVGEGLR

> RXA02453 (1-753, translated) 251 residues
MKSIFISGAA NGIGKAVALK FLHEGWLPGA YDLAEITYSH PNLRWGYLNV RQSESWDKAL

EDFATHTGGT IDVVDNNAGV IIEGPLQDAE EGSVDKLLAI NVNGVTLGAR AAHPYLARTP
 GAQLLNMSA SAVYGQPQIA VYSASKFYVA GLTEALNLEW RKDDIRVVDV WPLWAKTDLV
 NGVKAKSLKR LGVRITPEQV AQAVWDAVHP KSRWAKGVH HGVSKLDKAL YLMKSLSPDR
 VAMCFARLIA G

> RXA02474 (1-774, translated) 258 residues
 MSKVAMVTGG AQGIGRGISE KLAADGFDIA VADLPQEEQ AAETIKLIEA AGQKAVFVGL
 DVTDKANFDS AIDEAAEKLG GFDVLVNNAG IAQIKPPLLEV TEEDLKQIYS VNVFSVFFGI
 QAASRKFDEL GVKGKIINAA SIAAIQGFPI LSAYSTKFA VRGLTQAAAQ ELAPKGHTVN
 AYAPGIVGTG MWEQIDAELS KINGKPIGEN FKEYSSSIAL GRPSVPEDVA GLVSFLASEN
 SNYITGQVML VDGGMLYN

> RXA02480 (1-849, translated) 283 residues
 LSIGALSMAV WAHHMFVTGA VLLPFFSFMT FLISVPTGVK FFNWVGTMWK GHITWETPMI
 WSVGFMATFL FGGLTGIMLA SPPLDFHLAD SYFLIAHFHY TLFGTVVFA CAGVYFWFPK
 MTGRMMDERL GKIHFWLTFV GFHGTFLIQH WVGNMGMPRR YADYLDSDGF TIYNQISTVF
 YFLLGLSVIP FIWNVFKSWR YGELTVVDP WGYZNSLEWA TSCPPPRHNF ASLPRIRSER
 PAFELHYPHM IERMRAEAHT GHHDIDINAPE LGTAPALASD SSR

> RXA02481 (1-612, translated) 204 residues
 MLTGFLTPGG AADLGGPCTP HCLTQFTPQA LVLTCGLSGV GATGIGSVAS AINMLTTILC
 LRAPGMTMFR MPIFTWNIFV VSVLALLIFP LLLAAALGVL YDRKLGGHLY DPANGGSLLW
 QHLFWFFGHP EVYVLALPFF GIVSEIIIPVF SRKPMFGLRR PDLRNLVHWC TVHGCVGSPH
 VRYWRSFASV LLLHDVPDFG SYRR

> RXA02485 (1-1101, translated) 367 residues
 LDSSLAQEIA AIDGVELDSE VTFADLTTLR IGGKPRSAVR CQTEALVSA IKLLDDASLP
 LLIVGGGSNL VVADGDLDVI AVIETDDVS INLTDGLLTA DAGAVWDDVV HLSVDAGLGG
 IECLSGIPGS AGATPVQNVG AYGETEVSDLV TRVQLLDRTT HQVSVDASE LDLSYRYSNL
 KFTNRAVVLA IELQLLTDGL SAPLRFGEGL RRLAISEAEP HPRRPVRMVR DAVLELRRAK
 GMVVEHTDHD TWSAGSFFTIN PIVDPALADA VFEKVGEPMT PRFPAGDGKE KLSAAWLER
 AGFKKGHPGA GAKASLSTKH TLALTNRGDA RASDLVALAK EIRDGVLETG GTLVPEPVW
 IGISIDD

> RXA02492 (1-717, translated) 239 residues
 MTNGKLILLR HGQSEWNASN QFTGWVDVNL TEQGEAEAKG VLPGVVYTSV LRRAIRTANI
 ALNAADDRHWI PVI RDWRNLNE RHYGALQGLD KAATKEKYGD DQFMEWRRSY DTPPPMLADD
 AEYSQANDPR YADLDVVVPRT ECLKDVVVRF VPYFEEIILP RAKKGETVLI AAHGNSLRAL
 VKHLDGISDA DIAELNIPTG IPLVYEIAED GSVVNPGGTY LDPEAAAAGA AAVANQGNK

> RXA02528 (1-975, translated) 325 residues
 MSAKSSLKEV AELAGVGYAT ASRALSGKGY VSPQTREKVQ AAAKELNYVP NQLAKALREH
 RSALVGIVIP DLSNEYYSSES LQTIQQDLKA AGYQMLVAEA NSVQAQDVVM ESLISIQAAG
 IIHVPVVGSI APEGIPMVQL TRGELPGFPR VLCDDEAGF FOLTESVLGG SGMNIAALVG
 EESLSTTQER MRGISHAASI YGAEVTFHFG HYSVESGEEM AQVVFNNGLP DALIVASPRL
 MAGVMRAFTR LNRVVPHDVV IGGYDDPEWY SFVGAGITTF VPPHEEMGKE AVRLLVLDIE
 NPELPTGDVV LQGQVILRGS STHSG

> RXA02539 (1-1518, translated) 506 residues
 MTVYANPGTE GSIVNYEKRY ENYIGGKWVP PVEGQYLENI SPVTGEVFCE VARGTAADVE
 LAJDAAHAAA DAWGKTSVAE RALILHRIAD RMEEHLEEIA VAETWENGKA VRETЛАADIP
 LAIDHFRYFA GAIRAQEDRS SQIDHNTVAY HFNEPIGVVG QIIPWNFPIL MATWKLAPAL
 AAGNAIVMKP AEQTPASILY LINIIGDLIP EGVLNIVNGL GGEAGAALSG SNRIGKIAFT
 GSTEVGKLIN RAASDKIIPV TLELGGKSPS IFFSDVLSQD DAFAEKAVEG FAMFALNQGE
 VCTCPRALV HESIADEFLE LGVKRVQNIK LGNPLDTETM MGAQASQEQM DKISSYLKIG
 PEEGAQTLTG GKVNKVDGME NGYYIEPTVF RGTNDMRIFR EEIFGPVLSV ATFSDFDEAI
 RIANDTNYGL GAGVWSRDQN TIYRAGRAIQAGRWWVNQYH NYPAHSAFGG YKESGIGREN
 HLMMLNHYQQ TKNLLVSYDP NPTGLF

> RXA02551 (1-360, translated) 120 residues
MSVCEAHNPE NYSTGGGNII GGVVSPTLAA SEWGWQVDPL GLRIVLNHYW ERWQKPLFIV
ENGLGAKDVL IDGPSGPTVN DDYRIKYLDD GGSGILKRYK KKSFDWCRDI IATNGESLES

> RXA02556 (1-1158, translated) 386 residues
LTVSTQPITD RSALSAEHA E VIKATLPLVG GKINEITPVF YNKMFAAHPE LIANTFNGGN
QKQGDQQKAL AASIAATFATM LVTPDAPDPV QLLSRIGHKH VSLGITADQY DIVHEHLFAA
IVEVLAETV TAPVAEAWDA VYWIMANVLI GFENNLYASN DLEPGDVFR E VTVTAKQLS
ATVWEYTLAG ELVAPEPGQY TSIGVVLDDG ARQLRQYSLL GGSDETEYRIA VEDNGEVSGF
LRDRVSVGDK IEATIAAGDL VLNKDTNPVV LISQGIGSTP MVGMLAGMNP ERDVVVLHAD
QAESTYAQVE EVQGLVEKLP KAAFEIFYRD NDQWLEVAGR IPSPGASVYLC GGVEFLKNVR
EQIEALDEQP RDVNFEFLFAP NDWLIS

> RXA02560 (1-822, translated) 274 residues
MQGNSLNLAD NSERKKPMPS PGELLAARYG QPATWTPPQW NETLDVIHQH RSVRRWLDKP
VDDDTIRTII SAAQSAGTSS NKQVISVIVV KDPPELRKGLA GITRQMFPHL EQVPAVLIWL
IDYSRISAVA AREDLPTGAL DYLDEAAWGF LDAGIAAQNA AIAAESLGLG TLYLGSVRND
AEAVHKLLGL PPEIVPVVGL EMGHADPPEP AGIKPPLPQE AIVHWDTYTYE KNLELIDSYD
RALDTYYSSRY GQHQLWSKQT AHRAASKRCY KNQE

> RXA02572 (1-645, translated) 215 residues
AVAEICEPTG ADAVALVDAI GHDDRIGRKF LGAGLGFGGG CLPKDIRAFM ARAGELGADQ
ALTFLREVDS INMRRRDRVV QLAKEMCGGS LLGKRVTVLG AAFKPNSDDV RDSPALSVAG
SLSLQGAAVS VYDPEAMDNA RRVFPTLSYA SSTKEALIDA HLVVULATEWQ EFRDLDPEVA
GGVVEKRAII DGRNVLDVAK WKAAGWMEA LGRNL

> RXA02596 (1-489, translated) 163 residues
PVVYTGPLDL YFNAYEGKLG WRTLDFETEV VETGDFQGTP VMNYNDADVP FTRIHEFRHF
HPERDDSYPK DKTIVMREFS RFADNEDEPY YPINTPDDRD MLKQYRLLAA EEAANNKVLF
GGRLGTYQYL DMHMAIGSAL SMFDNKLVPF FEEGTPLEQE RGH

> RXA02611 (1-1752, translated) 584 residues
DAWSDPMATW RHAIITKIEA GQGSDELYND FEHGAQLFER AAENLSKEDR TALFDVASSL
RRGGDVRARL APALTASVTH LLELNPLREL VTMGENLQVR VERRAALVNS WYELFPRSTG
GWDESGTPVH GTFATTAAQAL ERVAKMGFDT VYFPPIHPIG EVNRKGRNNNT LTPEPHDVGS
PWAIGSKDGG HDATHPRLGT IEDFQALLAR ARELNLEVAL DLALQAAPDH PWAQEHRREFF
TVLADGTIAY AENPPKKYQD IYPINFENDA PKIYEEVYRV VKFWVDLGVF TFRVDNPHTK
PANFWQWLIS AIHKSNPEVI F LAAESTRPA RLYFLSKIGF SQSYTYFTWK VTNEELTEFA
TEIAPMADIS RPNLFVNTPD ILHASLQHGG RAMFAIRAA AATMSPVWGV YSGYELFEHE
AVKPGSEEYL DSEKYELRPR DFEGALERGD SLEDYIALLN QIRRANPALQ QLRNIHFHEA
DNDQIAYSK VDALTGNTVL IVVNLDPRSA REATVRLDLG ALGLEAGAQF EVRDAITGSR
YLWSETNFVR LEPLRDVAHI FVLPPELPASR RERLAWREIK TYRA

> RXA02612 (1-2193, translated) 731 residues
MTVDPASHIT IPEADLARLR HCNHHDHPGF YGWHETEAGS VIRTRQVGAT QVNLLIDDT
HVMTPIGDDI FAIDLGHRRER ADYRLEVTWP DQEPPQVKADP YYFLPTVGEM DIYLFSEGRH
ERLWEILGAN IKTYQTALGT VRGTAFTVWA PNAIGCAVVG GFNGWNASQH PMRSMGGSGL
WELFIPGIEE GEVYKFQAVQT REGQRDRKD PMARRAELAP ATGSIVASSE YQWQDSEWLR
ERSQTDLASK PMSVYEVHLG SWRWGKNEYD LATELVDYVA DLGYTHVEFL PVAEHPFGGS
WGYQVTGYYA PTSRWGTPDQ FRALVDAFHA RGIGVIMDWV PAHFPKDDWA LARFDGEALY
EHPDWRRGEQ KDWGTLVFDF GRNEVRNFLV ANALYWIEEF HIDGLRVDAD ASMLYLDYSR
EHGEWEPENIY GGRRENLEAVQ FLQEMNATVL RLHPGALTIA EESTSWPGVT APTWDGGLGF
SLKWNMGWMH DTLEYFSKNP VHRAFHSEL TFSLVYAFSE RFVLPISHDE VVHGKGSLWD
RMPGDTWNKA AGLRTFLAYM WSHPGKKLLF MGQEFGQREE WAEGQGLPWD IVDGWQGEYH
EAIRTLTRSL NGVYSDSPAL HTQDFTGEGF TWNKGDATN NILAFTRFGS DGSQMLCVFN
LSGTSQPEYQ LGVAAGGEWK LVLNTDDAEF LGAENDIATS VQAAATPRDN FAYSLSLHVP
AMSAQFYSLQ K

> RXA02621 (1-819, translated) 273 residues
MSELICGPAI LFAPAGRAEI IPKAASKADM VIIDLEDGAG EVDREVAYRN IRESGLDPKR

TIVRTVGPSD PHFLADVEMV KSTDFTLVMV PKLLGSVPEE LDGLNIIAMI ETPQAATSIP
 QIAADPKVVG MFWGAEDILTH LLGUTHSRFL GDESNEGSYR DTMRRLTRALM HLHAAANGKF
 TIDAIHADFH DEEGLYLEAV DAARTGFAGT ACIHPKQIEI VRRAYRPEAN QLEWAKKVVE
 EAENHPGAFK LDGQMIDAPL ISQARMVISR QPA

> RXA02640 (1-1527, translated) 509 residues
 MRISKANAYV AAIQGTTST RCIFIDAQGK VVSSASKEHR QIFPQQGWVE HDPEEIWDNI
 RSVVSQAMVS IDITPHEVAS LGVTNQRETT VVWDKHTGEP VYNNAIWQDT RTSDICLEIA
 GEEGQEKWLD RTGLLINSYP SGPKIKWILD NVEGARERAE KGDLLFGTMD TWVLWNLTGG
 VRGDDGDDAI HVTDVTNASR TLLMDLRTQQ WDPELCEALD IPMSMLPEIR PSVGEFRSRV
 HRGTLADVPI TGVLGDQQAA LFGQGGFHEG AAKNTYGTGL FLLMNTGTSL KISEHGLLST
 IAYQREGSAP VYALEGSVSM GGSLVQWLKD NLQLIPNAPA IENLAREVED NGGVHVVP
 TGLFAPRWNP DARGVITGLT RFANRKHIAR AVLEANAFQT REVVDAMAKD AGKALESLRV
 DGAMVENDLL MQMQADFLGI DVQRLEDVET TAVGVFAAG LGSGFFKTTD EIEKLIAVKK
 VWNPDMSEEE RERRYAEWNR AVEHSYDQA

> RXA02642 (1-498, translated) 166 residues
 MTESKNYDLI VVGSGLFGLT VAERAASQLG KKVLIVERRS HLGGNAYSEA EPETGIEIH
 YGAHLFHTSN TRVWEYVNQF TSFTGYQHRV FAMHNGTAYQ FPMGLGLINQ FFGKYYSPDE
 ARELIKEQSA EIDSSDATNL EEKAIISLIGR PLYEAFIRDY TAKQWQ

> RXA02654 (1-885, translated) 295 residues
 MISLLNDPRT LFPKVDPDKQ SQPEPGLDIK LSPQADIGLS SYQGSGRLKG RKALITGGDS
 GIGAAVAIAAY AREGADVAIA YLPEEQADAD RVLQAIETG QKAQSFPGDL RDPEYCRSLV
 QETVNALGGL DILVNNASRQ VWAPGLTEIT DENFDQTLQV NLYGSFRVTK AAIPHLPKGS
 SIIFTSSIQA YQPSETLLDY AMTKAALNNL SKGLASSLIG DGIRVNSVAP GPFWTPLQPS
 HGQPQEKEIEG FGQHAPIGRA GHPVELAGAY VFLASDEASY VVGETLGVTG GTPTP

> RXA02666 (1-768, translated) 256 residues
 MSSTRIPVIA LLAAAGRGRTR LGGPIPKAFCV TLRERTLIER SLQAMLTSES VDEIIIILVSP
 DMETYARDLL RKRGFLNDPE GVRVRLVHGG GERADSVWAG LQAIISLDDAT PDAIVLIHDS
 ARALTTPGMI ARVVRKVHEG ATAVIPVLPV SDTIKRSPD GGVVVDTPNR AELRAVQTPQ
 GFLLSELVAA NEKFFADPNP GFIPTDDASL MEWYGADVVC VQGDPMAFKV TTPIDMMMLAQ
 RITDEAEPTI FEVPGD

> RXA02675 (1-363, translated) 121 residues
 ILMTGMRHEN FGIMIARGDL AVELGFDRMA EVPQLIMALA EAAHVPTILA TQVLENMAKN
 GLPSRAEITD AAMALRAECV MLNKGPIND AIKVLTEMSR KL GASQRKSR LLLRKVKSWE
 E

> RXA02694 (1-942, translated) 314 residues
 MKETVGNKIV LIGAGDVGVVA YAYALINQGM ADHLAIIDID EKKLEGNVMD LN HGVVWADS
 RTRVTKGTYA DCEDAAMVVI CAGAAQKPGF TRLQLVDKNV KIMKSIVGVD MDSGFDFGIFL
 VASNPDFDILT YAVWKFSGLE WNRVIGSGTV LDSARFRYML GELYEVAPSS VHAYIIGEHG
 DTELPLVSSA TIAGVSLSRM LDKDPELEGR LEKIFEDTRD AAYHIIDAKG STSYGIGMGL
 ARITRAILQN QDVAVPVSAL LHGEYGEEDI YIGTPAVVNR RGIRR VVELE ITDHEMERFK
 HSANTLREIQ KQFF

> RXA02695 (1-1422, translated) 474 residues
 MNEFDQDILQ EIKTELDELI LELDEVQTQTH SEAIGQVSPT HYVGARNLMH YAHLRTKDLR
 GLQQRLLSSVG ATRLTTTEPA VQARLKAARN VIGAFAGEGP LYPPSDVVDA FEDADEILDE
 HAEIILGEPL PDTPTSCIMVT LPTEAATDIE LVRGFAKSGM NLARINCAHD DETVWKQMD
 NVHTVAEEVG REIRVSMGLA GPKVRTGEIA PGAEVGRARV TRDETGVLT PAKLWITAHG
 SEPVPAPESL PGRPALPIEV TPEWFDKLEI GSVINVPDTR GSRRRAFTVTR VFDGAVLAEG
 PQKAYISNGT LLEHNYDRSR VYGI PAVVQR INLKVGDR LI LTDEELTYDP SLGSGRTPRI
 SCTLPOAVDA IKVGHRLVLF DGAIAAVCID KTSTADGHND VELEVTHARP QGVNLAAKG
 INLPDSELPL PSLTEEDLQH LRFVVKYADI AAISFIRNVA DVEYLLQALA DIGD

> RXA02729 (1-744, translated) 248 residues

MDSPMSNSTG TDIVVVGSI ADLTAKVQRH PEPGETLLGS GGTVSAGGKG ANQAVAAAQL
 GAKVTMIGAV GTDQMAGEAL THLRQSGADM SAIATVDGPT GLAIITVSDD GENTIIVIPG
 ANASVTAEFV DKHSQLIENA GIVLLQGEIP ADGFERAVDL SQGRVVINLA PVVPVGHDLQ
 RRADPLLVE HEGALVLDML GTPATTSDPQ SLVTELLEQG FTSVVMTLGA EGALVGTGQ
 LTAIPTPK

> RXA02730 (1-1038, translated) 346 residues
 MATEKFRPTL KDVARQAGVS IATASRALAD NPAVAASTRE RIQQLASDLG YRANAQARAL
 RSSRSNTIGV IVPSLINHYF AAMVTEIQST ASKAGLATII TNSNEDATTM SGSLEFLTSH
 GVDGIICVPN EECANQLEDL QKQGMPVVLV DRELPGDSTI PTATSNPQPG IAAAVELLAH
 NNALPIGYLS GPMDTSTGRE RLEDFKAACA NSKIGEQLVF LGGYEQSVG EGATKLLDQG
 AKTLFAGDSM MTIGVIEACH KAGLVIGKDV SVIGFDTHPL FALQPHPLTV IDQNVEQLAQ
 RAVSILTELI AGTVPSVTKT TIPTALIHRE SIINSTLRKK DGLPNE

> RXA02737 (1-1542, translated) 514 residues
 VSTNTTPSSW TNPLRDPQDK RLPRAGPSG MVIFGVGTGDL ARKKLLPAIY DLANRGLLPP
 GFSLVGYGRR EWSKEDFEKY VRDAASAGAR TEFRENWVER LAEGMEFVRG NFDDDAAFDN
 LAATLKRIDK TRCTAGNWAY YLSIPPDSFT AVCHQLERSG MAESTEEAWR RVIIIEKPFHG
 NLESACHELNQ LVNAVFPESS VFRIDHYLKG ETQNILALR FANQLFEPILW NSNYVHDHVQI
 TMAEDIGLGG RAGYYDGIGA ARDVIONHLI QLLALVAMEE PISFVPAQLQ AEKIKVLSAT
 KPCYPLDKTS ARGQYAAGWQ GSELVKGLRE EDGFNPESST ETFAACTLEI TSRRWAGVPF
 YLRTGKRLGR RTVEIAVVFK DAPHQPFDGD MTVSLQNAI VIRVQPDEGV LIRFGSKVPG
 SAMEVRDVNM DFSYSESSTE ESPEAYERLI LDALLDESSL FPTNEEVELS WKILDPILEA
 WDADGEPEDY PAGTWGPKSA DEMLSRNIGHT WRRP

> RXA02738 (1-1080, translated) 360 residues
 MSHIDDLAQL GTSTWLDDLS RERITSGNLQ QVIEEKSVVG VTTNPAIFAA AMSKGDSYDA
 QIAELKAAGA SVDQAVYAMS IDDVNRACDL FTGIFESSNG YDGRVSVIEVD PRISADRDAT
 LAQAKELWAK VDRPNVMIKI PATPGSLPAI TDALAEGISV NVTLIFSVAR YREVIAAFIE
 GIKQAAANGH DVSKIHSVAS FFVSRVDVEI DKRLEAIGSD EALALRGKAG VANQRAYAV
 YKELFDAEEL PEGANTQRPL WASTGVKNPA YAATLYVSEL AGPNTVNTMP EGTIDAVLEQ
 GNLLHGDTLSN SAAEADAVFS QLEALGVDLA DVFQVLETEG VDKFVASWSE LLESMEARLK

> RXA02739 (1-2100, translated) 700 residues
 LTTLTLSPEL QALTVRNYPD DWSDVDTKAV DTVRVLAADA VENCGSGHPG TAMSLAPLAY
 TLYQRVMNVD PQDTNWAGRDF RFLVSCGHSS LTQYIQLYLG GFGLEMDDLK ALRTWDSLTP
 GHPEYRHTKG VEITTGPLQ GLASAVGMAM AARRERGLFD PTAEEGESPF DHHIYVIASD
 GDLQEGVTSE ASSIAGTQQL GNLIVFWDDN RISIEDNTEI AFNEDVVARY KAYGWQTIEV
 EAGEDVAAIE AAVAEAKKDT KRPTFIRVRT IIIGFPAPTMM NTGAVHGAAL GAAEVAATKT
 ELGFDPPEAHF AIDDEVIAHT RSLAERAFAQK KAAWQVKFDE WAAANPENKA LFDRLLNSREL
 PAGYADELPT WDADEKGVAT RKASEAALQA LGKTLPELWG GSADLAGSNN TVIKGSPSF
 PESISTETWS AEPYGRNLHF GIREHAMGSI LNGISHGGT RPYGGTFLIFF SDYMRPAVRL
 AALMETDAYY VVTTHDSIGLQ EDGPTHQPVF TLAALRAIPG LSVLRPADAN ETAQAWAAAL
 EYKEGPKGLA LTRQNVPVLE GTKEKAAEGV RRGGYVLVEG SKETPDVILM GSGSEVQLAV
 NAAKALEAEG VAARVVSVPC MDWFQEQQDAE YIESVLPAAV TARVSVEAGI AMPWYRFLGT
 QGRAVSLEHF GASADYQTLF EKFGITTDAT VAAAKDSING

> RXA02740 (1-930, translated) 310 residues
 LDTIKAYIAL TKPRVIELLL VATIPTMLQA ERGENNIVLI LLTVFGGWMG AAAANTFNMV
 ADSDIDQRMG RTRARPLVRH TVSNRDASIF AWVLTVASFL WLWLLCDMSL AGIFVLITIF
 FYIFVYTKWL KRRTHMNIVW GGAAGCMPVL VGWAVIVDQF EPGVPQQWWQ AIVLFMVIFF
 WTPPHWTALA MKYREDYKAA GVPMLPVVRT PVQVTAQIVW YSVATVLTTF LLIPATGWIY
 AAIAVISGVT FLFMAIKLHL GIKNGGKVKP LKLFIISNNY LAVLFVALSV DAVLGLETIG
 EMLGWTTFF

> RXA02741 (1-966, translated) 322 residues
 MKAILVSRTG GPEVLEFTDT DAPKPTDDQV LVEVDMAGVN FIDTYYRQGE YHARLPFIPG
 FEGTGRVLED PQGLIAAGTK VAWCAMGSY AQQVCVPRDR LVAVPEGVSS EVAASMLMQG
 ITAHYLTNGV YELEEGDSCL ITAGAGGVGL LATQMAAAKG VRVYSVVSTD EKAELALDAG
 AYEVFRYSDN LAEQVRRHNG GRGVDVVYDG VGQSTFNESL EAVRPRGTVC LFGAASGPVE

PFDPQLLNTH GSIFLTRPSI GAWTSEEGER AKRAQAVTQA IVEGTLRV RV TGTYSLADAY
IAHDLQARS TSGSLVLEIP KD

> RXA02743 (1-1038, translated) 346 residues
 VSTSDAPSNN PVELKPITFW APTIKVQRIL ALLLLIFQGG ITVTGSIVRV TGSGLGCDTW
 PLCHEGSLVP VAGAAPWIHQ AVEFGNRMLT FVLAAAALAL FIAVLGAKRR REILVHSFIQ
 GLGIILQAVI GGITVLVDLH WYAVALHFLP SMILVFMAAI LYTRIGEPDD GEITTFPTW
 IRNAVAVIGAV ALSVVLITGT MTTGAGVHSG DASITMDRL DVSIIDLMAHI HGYSMYIYLF
 FTLIVVAGLY KAKTTKHNKQ LGMLLILFIL IQAGIGILQY RMGVPRWSIP FHIAMSSVVV
 AFTSLLWAQG RIRVGGKATV TGSDVGDIKN EIITNPFEKK SKQPVK

> RXA02797 (1-903, translated) 301 residues
 MNNRIVVVGS INADLNVLVD RHPAPGETLL GSGGHITAGG KGANQAVAAA LQGADVAFVG
 AVGKDGYAAP ALEFLRSSGV DLTAVSEVDD TTGLAVITVA KGEGENNIVVI PGANSLVNCD
 YVSSQSALLA EAGILLLQGE IPADGFKEAI HHTMGRVVN LAPVIEVEKS ALLEADPIIA
 NEHEAGLILD QFGAGIDSMQ PHELAQALLD AGFASVVLTL GSAGALVADA TGITDIATPT
 VQAVDTTGAG DAFAGAFCAR LIKGDSLIDA ATHAARVGAY SVQTAGAQAS YPDASVSLPS
 V

> RXA02803 (1-399, translated) 133 residues
 SGEMLAAALS AGMASQGVDV IRVGIPTPA VAFLTDDYGA DMGVMISASH NPMPDNGIKF
 FSAGGHKL PD HVEDEIERVM DSLPAEGPTG HGVGRVIEEA TDAQDRYLEH LKEAVPTE
 GIKIVVDAAN GAA

> RXA02807 (1-465, translated) 155 residues
 MAHSYAEQLI DTLEAQGVKR IYGLVGDSL PIVDAVRQSD IEWVHVRNEE AAAFAAGAES
 LITGELAVCA ASCGPGNTHL IQGLYDSHRN GAKVLAIA SH IPSAQIGSTF FQETHPEILF
 KECSGYCEMV NGGEQGERIL HHAIQSTMAG KGVSV

> RXA02821 (1-180, translated) 60 residues
 VGYGIATIGP GLGIGILVGK ALEGMARQPE MAGQLRTTMF LGIAFVEALA LIGLVAGFLF

> RXA02829 (1-276, translated) 92 residues
 MQKNILKSGI EISELGLGCM SLGTDYKKAQ PIIESAIDNG ITYFDTADIY DQGVNEEIVG
 KALKKYQNRD DIVIGTKVGN RLTDDGHMTW GS

> RXA02852 (1-279, translated) 93 residues
 VAVSDFSTDL PNQIREWVPG DYTBLGADGF GFSDTRPAAR RFFNIDAESI VVAVLNSLAR
 EGKIDVSVAQ QAAEKFKLDD PTSVSVDPNA PEE

> RXA02853 (1-1407, translated) 469 residues
 MAKRIIVIIGG GPAGYEAAALA GAKYGAEVTV IEDVGVGGSA VTMDCVPSKS FIAGTGIKTD
 LRRADDMGLN RGLGKAHLEI DALNIRVKDL AKAQSEDILQ QLQRSDVRMI NGVGRFDDYN
 TKQTTTHYIKV THSDGSEETV ECDLVLVATG ATPRILKGAE PDGERILTWQ QVYDIEELPT
 HLIVVSGVT GAEGVSAFAE LGVKVTMVAS RDRILPHDDA DAADVLETVL AERGVSLKH
 ARVESVTRTE DGGVCVRTAD GREIYGSHAL MTVGSIPNTA DLGLENIIGVE LAPSGHIKVD
 XVSRTNIPGV YAAGDCTDLF PLASVAAMQG RIAMYHALGE GVSPIRLKTV ATAVFTRPEI
 AAVGITHAQV DSGEVSVARVI VLPLATNPRA KMRSLRHGFV KLFCCRNSGL IIIGGVVVAPT
 ASELIPIAV AVTNRLTVAD LADTFAVYPS LSGSITEAAR QLVQHDDLG

> RXA02854 (1-1584, translated) 528 residues
 MDESSQLSFG TAGLRAPVGP ARHQMNVLQV TRTTAGVASW LAERAALNPV PHLVPEDETG
 IGRALYPQDG PLRVVVGYDA RYGSHTFAAT TAEVFAGAGF EVTLLPTPSP TPLIPWLWNK
 HGLDAGVQIT ASHNGAADNG YKVFLSNGRQ LYSELEPELE AHINAVEDPI RVPRVTVRPT
 ADQLRRYVDE MVSLVTPDQA DLLRVNSERG NLRVYVTALH GVGGRAMANA FQFAGFPHTH
 GVKAQQYPDP TFPTVAFNP EEPSSAIELL ERAKEKNADI LFALDPDADR CAVGIRTADG
 GHRMLSGDEV GTLLATRLVP EYSGEGPRPV VATTVVSSQL LGIIIAEDKGW DYSETLTGFK
 NLSRAADGLD GPLAFAYEEA VGTCPVDPVV PDKDGISTAL FMASWAAELK AQGASLQQKL
 NELYRRYGYF ASSQIAVRTS SPRELVDHWI AHPQQELIGV SVTPHILPEK QGIALHGQVG

HVHIRAIGRV SGTEAKAKLY LEVGQASSHD EAAQLLHQLE DEVQSWLS

> RXA02872 (1-672, translated) 224 residues
 AREAWRIFMS HWDLYAGTAT GYWVEQEFEH VFGINAERLN VGTPEHADAI FDELTDLAK
 PDRPRALAE QFNLEVLATT DDPLDDLADH KALADDPTFS PRVLPTFRPD AYTKMYNAGW
 AEKTTKLIDT AGDGKAGWEG YLQAMRNRRQ YFINHGATSA DHGLHDTDTT PLSHKDAQKI
 LDKGLAGTAT LAEMHAFEAN TTYRFAEMSQ EDGLVMTIHP GVYR

> RXA02873 (1-510, translated) 170 residues
 FGENKDLISD SSFNRWLRTV SLGSTQDADM AAASNLAANS KMARONTRDI LDAVSDGGVM
 LGRNGALVLG PVVGTLLHIKF IAPLNKRVER VMYKTGLSEA AAAEQCALED RLREEMAHAL
 YQWNPGRDEN YDLVINTGSM TYEQIVDLVV ETYARKYPLH VRIIPNGKDQ

> RXA02887 (1-408, translated) 136 residues
 MADQAKLGGK PSDDSNFAMI RDGVASYLND SDPEETNEWM DSLDGLLQES SPERARYLML
 RLLERASAKR VSLPPMTSTD YVNTIPTSME PEFPGDEEME KRYRRWIRWN AAIMVHRAQR
 PGIGVGGHIS TYAGAA

> RXA02897 (1-1287, translated) 429 residues
 DLDGFRQEVS REQGGIPSYP HPHGMKDFWE FPTVSMGLGP MDAIYQARFN RYLENRGIKD
 TSDQHWWAFL GDGEMDEPES RGLIQQAALN NLDNLTFVNV CNLQLRDGPV RGNTKIIQEL
 ESFFRGAGWS VIKVVWGREW DELLEKDQDG ALVEIMNNTS DGDYQTFKAN DGAYVREHFF
 GRDPRTAKLV ENMTDEEIWK LPRGGHDYRK VYAAAYKRALE TKDRPTVILA HTIKGYGLGH
 NFEGRNATHQ MKKLTLDLK LFRDKQGIPPI TDEQLEKDPY LPPYYHPGED APEIKYMKER
 RAALGGYLPE RRENYDPIQV PPI.DKLRSVR KGSGKQQIAT TMATVRTFKE LMRDKGLADR
 LVPIIPDEAR TFGLDSWFPT LKIYNPHGQN YVPVDHDLML SYREAPEGQI LHEGINEAGS
 VASFIAAGT

> RXA02902 (1-672, translated) 224 residues
 LASDLGIKFV AVVDKDLETA EKFATGLGAA GDSSESSVKA HGSLPALFSK KKIDVLHITT
 FHDQHIGLAL EALHHGVNVI LEKPLANELD QAQRLIDYLD ENPDGPKIAV CYQNRYNVSS
 QELRRLLDSG DLGAINGAYS SVVWTRTPGY YTQKPWRGQQ AHSGGGLLMN QAIHTLDLLQ
 WFLGKATEVK GTVSTDKYAD VIDVEDTAHA YIGHESGVHT SEVS

>RXN00013 TRANSLATE of: rxn00013.seq check: 4426 from: 1 to: 873
 MEGMTNPEQTHPAASLEDMIKTITKTFVIAHDQDSDEHLAQALVYNAGRLAWRMRENGVD
 TDYKTSVSDVVTADRAAEAFVAGVLEALRPEDGVLGEEGADRASKSGKTWVIDPVDGTY
 NFTQGSDYWCALALVEGDPAPSRLFGAVHRPAMGYTWFGGPGIRRTLTDGKELDLLVD
 APLNQISLATYIHPSRIAEPDIQKAWMSVATHPATLRMFGAGSIDLANIADGSMGAWVQH
 SVADWDWLPGRALIEGVGGACIKVTAGGVEWSVAGNAEAVSEISETLSALD

>RXN00014 TRANSLATE of: rxn00014.seq check: 1159 from: 1 to: 780
 MSKYADDLALALELADSITLDRFEASDLEVSSKPDMDTPVSDADLATEEALREKIATA
 RPADSIILGEFFGGDVEFSGRQWIIDPIDGKTYVRGVPVWATLIALLDNGKPVAGVISAP
 ALARRWWASEGAGAGAWRTFNGSSPRKLSVSQVKLDLSSLSFSSLGWAERDLRDQFVSLT
 DTTWRLRGYGDFFSYCLVAEGAVDIAAEPEVSLWDLAPLSILVTEAGGKFTSLAGVDGPH
 GGDAVATNGILHDETDLRLK

>RXN00043 TRANSLATE of: rxn00043.seq check: 5115 from: 1 to: 1164
 MAEVVHYQENAGQAVKKIEGRIVTPHGVIDGFLQLENGIITELSGEPAPKNAGFHPELPT
 IVPSFIDLHNHGNGGAFPTGTQDQARNAAQYHREHGTVMASMSAPADALAAQVENL
 IPLCEEGLLCGIHLEGPFINACRCGAQNPDFIFPGNPTDLAQVIHAGKGWIKSITVAPET
 DNLTELLDCAHHIIASFHTADFDTTSAIALAKEKNVTVTATHLFNAMPPLHHRDP
 GSVGALLAAAARGDAYVELIADGVHLADGTVDLARSNNAFFITDAMEAAGMPDGEYILGV
 LNVTVTDGVARLRDGGIAAGGTSTLASQFVHHVRRGMTLIDATLHTSTVAAKILGLSDHE
 IVKSNPVNFFDSNGQLQQVHLDHQVI

>RXN00148 TRANSLATE of: rxn00148.seq check: 5482 from: 1 to: 2211
 MTSIPNFSIDIPLTAETRASESHNVDAKGKVWNTPEGIDVKRVFTQADRDEAQAAAGHPVDSL
 PGQKPFMRGBPYPTMYTNQPWTIRQYAGFSTAAESNAFYRRNLAAGQKGLSVAFDLATHRG

YDSDNERVVGVDVMAGVAIDSILDMRQLFDGIDLSSVSMSMTMNGAVLPILAFYIVAAEE
 QGVGPQLAGTIQNDILKEFMVRNTYIYPPKPSMRIISNIFEYTSLKMPRFNSISISGYH
 IQEAGATADLELAYTLADGIEYIRAGKEVGLDVDFAPRLSFFWGISMFTFMEIAKLRAG
 RLLWSELVAKFDPKNAKSQSLRTHSQTSGWSLTAQDVNNVARTAIEAMAATQGHTQSLH
 TNALDEALALPTDFSARIARNTQLLQQESGTVPVDPWAGSYYVEWLTELNRARKHI
 DEVEEAGGMAQATAQGIPKLRIEESAARTQARIIDSGRQALIGVNRYVAEEDEEIEVLKVD
 NTKVRAEQLAKLAQLKAERNDAEVKAALDALTAARNEHEPGDLDQNLLKLAVDAARAK
 ATIGEISDALEVVFGRHEAEIRTLGCVYKDEVGKEGTVSNVERAIALADAFEAEEGRRPR
 IIFIAMGQDGHDRGQKVVASAYADLGMDVDVGPLFQTPAEEARAADVADHVVGMSLAA
 GHLLPELKELAALGRDDILTVGGVIPPGRQDLYDMGAAAIYPSGTVIAESAIDLITRLAAHLGFDLDVDVNE

>RXN00200 TRANSLATE of: rxn00200.seq check: 5263 from: 1 to: 3438
 MRQVGGNGGHQLDSINVSDV реве KKLKGSAQEPPQVAPGWLKKLAISSGLLGMLFVLLP
 FLPVNQVQSSLSPQNGELSSV реве KPLD
 STDATNRGLFVRTIDGNLDV реве VRGEVLLDLSPTEVNRLPDAILEISSTEETTSAEITGT
 AFSGETEGDERPQVTGVYTELVDDPSTASALASAGLNV DIEINSRFTSSPSLLKYAAIFI
 GLASVLVSLWTLHRMDILDGRKAHREFLPANWYKLKPLDGVVVAILVFWHFLGANTSDDGF
 IMTMARVSQNADYMANYRWFGVPESPFGAPYYDLLALMAYISTSSIWLRLPALLAGLIM
 WFVITREVMRFGSLV реве NGRRVAWSAAMVFLAFWLPYNNGTRPEPIIAMGALLAWVSFER
 AIATSRLPAAIGVIIATISLASGPTGLMAVAALLV реве SLSALIRILYRRPLIGASRGASK
 SKVFGASMMLAPFLASGTAI реве LIAVFGDQTLSTVMESISV реве RAKGPALTWYHEYVRYQTV
 MEQTVDGSFTRRFAVLMLMACLAI реве VVIAILRYGRIPGAAGKPSLRLMMVIFGTMFFMMFT
 PTKWTHHFGVYAGLAGALAGLAAGV реве GLSYVAVKSPRMRTISIGAFLFLLALAGVNGFWY
 TSSYAVPWWDKTIQIKGIEASTV реве VLV реве AVI реве VLIIGVIQSFSV реве HDV реве KTAQAETNHSMGELVA
 EDEAKRERASRTGLAASPIAGVSALV реве LITCASMGKGV реве DQPAYSVGLGNLRSLTGNT
 CGLASDAMLETNSNDSFLTPVNSTLGESLESEDIRGFSAGI реве PPSISQDQADLSAVGAIA
 NTDDSTETGGSDESSGQSTGNTGGV реве RGSEGINGSNARLPFNLDYTQPVV реве GWSAGTQNP
 ANITTDWYEIPEATEEAPIIVV реве SAAGRIEHYDINGV реве RQSGQSVMLEYGRLRDNGDVEDLG
 EAMMYDIGPEPSWRNLRYPLDQLPEEADV реве VRIV реве ATDV реве NLDEDQWVALTPP реве RVPNLDSLN
 VIGSETPGLLDWAVGLQFPCQRTFDHYAGVTEIPEYRISP DHGGKSTLSPFQDWAGGGSM
 GTAEAVNNAYEIPSYLRNDWGRDWGSIERYSLRTNSNGDAPKVADINLETIQRSGLWNPG
 HMKVDE

>RXN00231 TRANSLATE of: rxn00231.seq check: 1223 from: 1 to: 1470
 MTINVFELLVKSPGGLIGDSWVEASDGGTFDVENPATGETIATLASATSEDALAALDAA
 CAVQAЕWARMPARERSNIЛRRGFELVAERAEEFATLMTLEMKGPLAEARGEVTYNEFLR
 WFSEEAVRLYGRYGTTPEGNLRMLTALKPVGPCLLITPWNFPLAMATRKVAPАIAAGCVM
 VLKPARLTPLTSQYFAQTMLDAGLPAGVLNVSGASASAISNPIMEDDRLRKVSFTGSTP
 VQQQLKKAADKVLRTSMSMELGGNAPFIVFEDADLDLAIEGAMGAKMRNIGEACTAANRFL
 VHESVADEFGRRAFAARLEEQVLGNGLDEGVTGPLVEEKARDVSASLVDAAVAEGATVLT
 GGKAGTGAGYFYEPTV реве LGVSTDAAILNEEIFGPV реве APIVTFQTEEALRLANSTEYGLAS
 YVFTQDTSRIFRVSDGLEFGLVGVNSGVISNAAAPFGGVQSGMGREGGLEGIEEYTSVQ
 YIGIRDРYAG

>RXN00296 TRANSLATE of: rxn00296.seq check: 2905 from: 1 to: 2844
 MTHTIKFNRLDPEVFSQHSRAKLTDMTTRAAYSSDAGIFRRVPAAVAEPENVEQIRDAI
 AVAVARGWSV реве VGGGGSSVAGNAIGEGLIIDTSRYFNRIIDIDPVAQTAVVEPGVVCDAL
 RDAAAЕFGLTYGDPDSTHSRCTIGGMVANNACGSHSVAFTAAENLVDVTLMLSDGREVT
 VTKDCDDAEINQKLTDLASKNQDLISKELGRFPRQVSGYGLHYLAHDMAKAMAGTEGTI
 GIITRLTVKLPVPKVKALAVLAFDTV реве DAARAAAKLRLPGVATIEGMGGDLLAALRSKQ
 GQSEAGQNLPGNRIGIEAGGWLYCETGSDTLQAAVQAAEЕVATAVDTIDYVVVSEPMR
 ELWRIRESSAGIVTRLADGGEAWPNWEDSAVPNENLADYLRLDLYALMDKFDYQGIPFGHF
 GEGCVHVVISFDSTKEGLKKFEAFMNEASTLVASYGGSLSGEHGDRARSSFLDRMYSA
 EMRALFEFKLI FDPQRIFNPGVLWADPVMQGLRMDPGQRALDITPVHKFSKDKGSMIN
 AVNRCV реве GSACRSES DAMCPSFQITGDEVHSTRGRARLLSEMFRGESIADGYRSEEVNEA
 LDLCLSCKACASECPV реве NVDMSTYKAEFLDKHYAGRRLRPMAHYVMGWLPLLGHVAHKIPLL
 PTLIDATMQSALTAPV реве VVKVGGLADRPLISFAHRSLRKYKPKKNSGETVVLWPDСFNTNL
 DTGPAHAAIKTLEALGVNVI PDGFVCCGLTW реве HSTGQLSMTKKVLEQTAKVMKPYLDQGL
 TVVГLEPSCTVMLQDEATELSDNPDLARLAALTКРFAEVAPIKITEVESGSQLTESTA
 LTQV реве HCHERSLGDПQQSAVLEALGVKDEQIATGCCGLAGNWGFEKDHAEMS FALGEREL

FPKVRKAEGHVIADGFSCRTQIEQGTGKQATHLAEVVL SILEQNNMAQ

>RXN00310 TRANSLATE of: rxn00310.seq check: 2380 from: 1 to: 435
 MSDKIWKVGIIGCGAISRNHIEAVQAIPGAEVSAVCVDVGAKASETAAKYGISPSFTSVD
 EILASGVDIVAVCTPHPTHETVLA AAAAGVHLCEKPIATELDSAQRMIDACESAGVQL
 GVLFQRRFWPAAQMKKEPSWANAR

>RXN00316 TRANSLATE of: rxn00316.seq check: 4820 from: 1 to: 1146
 MGQCTVALYREHSYYTATPWRGTTWAADGGGVLMQTQAIHYIDLWLLGEVFGYTNSF
 KHGDNIEVEDSAVATVRFESGALATISATTAAEPALGAQVQVMGTTKGATMTILEFPEGTD
 GRLIVRSENDTRRNHPIPPGRGSLSQCRSFHHQRCFDPVSHRPDRLYRCAQRPPPTDHR
 PRCHQSSESSPWCLRISSHPPAGLFDLTEAFKTSRQIGLAPLSSLSTPPDQLVRLAAATG
 FSFVGLRVIAVTNPNERVYDLSPGSPLLAATQQALKETALYVLDTEFLQVNADTTREAWLP
 ALEAAGALGAKTFTIAAGDDNIALPTDTIGAMVDDARDFGVTPALEPEISYRSVHSIPQAA
 AIARDSGGKVVAIDLHMARFGA

>RXN00317 TRANSLATE of: rxn00317.seq check: 4403 from: 1 to: 654
 VTTPSKKTLLFDLDGTLVDSFPGIRTSFLHTLHEKNWEIPSEERISQVPGPPMEWTFODL
 GMTPEQAQDALQTYLEHYGQVGWLSEAFPGMRDLLIRLKYEGRFLCTATSKGEFFAEKV
 LRKFEMFDLFEFMGAATDSGNRRSKSAVIKHVLDSVGLDEPNNDLIMIGDRSHDIEGSSEF
 GIDCVAVTWGYGSKTEWDAARYTVSTAEELEIHDWA

>RXN00337 TRANSLATE of: rxn00337.seq check: 9748 from: 1 to: 1050
 MLLTYAFVDVEGGVEKHSLSTADIAARAHAHMKS HDVLRQTTPPPQPEGGVAARLGGIAW
 TMIHQMLSRDTKGLDITVLS TIPEGVGLGENSAMDVALALALYRENIEEAPTKARIAEI
 CSQSAFMFSETSVLRARHTVALRGETGQISVVVDYADGSVTQAPHVRSAGLSAFVVAQ
 TETDPSIYREIYARHAFIDEAARAFVESLRLPDASTRVDWLQAVIEVTGREDLPSIE
 QAQRWLNLWENETRRAQRTANALRSRRLSEFSELLMESQDDLSDTFDFPPADLALARLCV
 ERGATAARSTSARGVIALVDAHHAHNFADLSEDGLLVPLGHGDVAEKG

>RXN00387 TRANSLATE of: rxn00387.seq check: 3252 from: 1 to: 855
 MFRSNISYAVGDDIQNDPETWEDYELRVNHPLRIEGDRVYLQGHGFAPTFTVTPNGETR
 TQTVQWRPUDFTFLSSGVVRFDPPAGMPDLYERRQNQLAIQGLFAPTAEWEGDNELL
 TSSYFAMRDPAVAIDIYRGDNGLDTGIGQSLFSLDSSLMHSGVLQKIERVNQLIGDTVTL
 DDGTTVSFDGASEFANYQISRDPQTQNWLTVTVisLVSLVGSLSMIRRRIWVRFYPQENG
 TTRVETGGLARTDRAGWGGEYEKFHRELLGLKEEDEEYFDHDD

>RXN00388 TRANSLATE of: rxn00388.seq check: 9749 from: 1 to: 1011
 MLPVNQTYAQFSDTAFVSAIYVLA LILSLVYYVKQQGIIDARREQTRVSELVGAGGSA
 DVDTLPDDIADGVLADEDLAKREETARKLANMTQSLMWLGVMVHLVSVVMRALSASRFP
 FGNLYEYILMVTLFAMIGAVLILQRPQFRVWPWILTPMALLFYGGTQLYSDAAPVVPA
 LQSFWFPIHVSSVSIGASIGIVSGIASLLYILRMWQPKGKEKGFFGAVAKPLPSGKTLDN
 LAYKTAIWTVPIFGLIILGAIWAAWGRFWGWDPKETVSFITWVLYAGYLHARATAGW
 RNTNAAWINILALVTMIFNLFFINMVVSGLHSYAGLN

>RXN00389 TRANSLATE of: rxn00389.seq check: 9029 from: 1 to: 1560
 MITATALHGCSLIDGEWVAGKNGEITGFDPTNASLNPSYSLANSQRLAATTSKRAFE
 SYRLTTPEVRADFLDSIADNIDALSGEIVQRASLETGLGTTLTGEVARTSNQRLFAET
 VRSGQFHVRVIERGPRIDLRQRQVPLGPVAVFGASNFPVAFSTAGGDTASALAAGCPVVF
 KAHNAHPGTAELVGQAVRGAVEKHEFDAGVFLNVYGRGVIEGQELADPNITAIGFTGSR
 QGGLALSQTAFSRPPVVPVFAEMSATNPVFVFPGALADLDASSLAEFTA VTGSSGQL
 CTKPGLVFI PRGVVGDAFVALVAAKFKETTGQMLTQGIAQAWQRGVDNLAQPSVKILA
 QTGPGDGENAPGPVVFESDVQALLNNVVLQEEIFGAASL VVRYDSPDQLHQVANSLEGQL
 TATIHASQDDFQEVS KLI PPLEDLAGRVL YGGWPTGVEVGHTVIHGGPYPATSNQSTS
 GTLAIERFMRPVSYQTFPAELLPDFVSEANKWAVPREIDR

>RXN00401 TRANSLATE of: rxn00401.seq check: 9893 from: 1 to: 939
 MARFSPQDLADHLKDGLLSFPATAFQDDLEVDEAAYVEHIEWQSSY PVAGLFAAGGTGEG
 FSLTVEENHRVTQLAVQASSPEVPVLSATGSTKSAIANAQGAEAAAGAEVGLLLPPYLTE
 CDAEGLYNHAAAVCESTSLGVIVYNRANAIYSPEVIARLSERYPNFIGFKDGTGNIEHLA
 KITLCGDRLFYLGGLPTAETFALPLLQMGMSYSSAMFNFI PDFFALSFYADVRAQDSAA

VKQKLSDFVLPYLDIRDRAQGYGVSIGKGLKAVGRNAGGVRPPLRNLSEQDIADLS DLL
ATSGAGSYRLQLR

>RXN00427 TRANSLATE of: rxn00427.seq check: 2014 from: 1 to: 786
MGRILVFYSVTLEVAGDRPVYTPSRTNLGDGGFAFGFLTALALGANAVWCTDDDGRPEG
PGVLKTLIDAASRHNLLEEVSPVVCNADDPERLAFPLRRGLEWRRMRSELIDPANPEDDLL
PGIASLFNGALISAYAMERIGVPDYRLFIRGDEVEYHRRRLVRSGLPFGTCLTTAYLHPDG
SDEFKPILGGRMHTQYPDNDFKRFFTYRNRGYLMSPGMRKLLPQEYARFAWFFLVQKRD
VKGFREWLRLHKLGRDEKFNRP

>RXN00483 TRANSLATE of: rxn00483.seq check: 5018 from: 1 to: 1464
VLVTGATGYIGGRLITELLAAGFQVRATSRKKTSLQRFDWYEDVEAVEADLTDATELDTL
FKDVDDVVYLYLHSMGGKNDVFEEQEORTAENVIAOAAQAGIKQIVYLSGLHPRNRKIEEL
SKHMRSRKVAQILLAGQTPALILRAATIIGSGSASFEIIRHLTERLPRMIAPQWITNQI
EPLAIRDVLYLISAADLKDPVNRS CDIGCGKS YEFADLLRIYADVRLKRHVNSVPLNL
PMOKLGLWISLVTVPVFPQLSFPLAQSMEDA VTEHSIKDIISDPPDGFI EYRE AVELA
LAAEFDRGVPTSWDRS WTVQQPWAGQPTDPEWAGKAVYEDVRTEDTDLRAAQWPIIEGL
GGVNGWYSAPLLWRLRGIA DRLIGGPGLGGRRDPRHLKLGDRI DWWRVTEIDPPHRLVLT
AEMKV DGGAWLILEVADKENG GCTYTQRAIFEPKG LPGYLYWWVVSPFHAI IFPYMRSNI
LKAARKLT

>RXN00519 TRANSLATE of: rxn00519.seq check: 5871 from: 1 to: 2214
MAKIIWTRTDEAPLLATYSLKPVVEAFAATAGIEVETRDISLAGRILAQFPERLTDQKV
GNALAEELGELAKTPEANIIKLPNISASVPQLKAAIKELQDQGYDIPELPDNATTDEEKDI
LARYNAVKGSAVN PVLREGNSDRRAPIAVKNFKFPHRMGEWSADSKTNVATMDANDFR
HNEKSIILDAADEVQIKHIAADGTETILKDSLKLLEGEVLDGTVLSAKALDAFLLEQVAR
AKAEGILFS AHLKATMMKVSDPIIFGHVV RAYFADVFAQYGEQLLAAGLNGENGLAIALS
GLESIDNGEEIKAFAFEKGL EDGPDLAMVNSARGITNLHVPSDV IDASMPAMIRSGHMW
NKDDQE QDTLAI IPDSSYAGVYQT VIEDCRKNGAFDPTTMGTVPNVGLMAQKAEEYGSHD
KTFRIEADGVVQVVSNGDV LIEHDVEANDIWRACQVKD APIQDWVKLAVTRSRLSGMPA
VFWLDPERAHDRLNLASLVEKYLAHDHTEGLDQIQLSPVEATQLSIDRIRRGEDTISVTGN
VLRDYNTDLFPILELGTSAKMLSVVPLMAGGG FETGAGGSAPKHVQQVQEENHLRWDSDL
GEFLALAESFRHELNNGNTKAGVLADALDKATEKLLNEEKSPSRKVGEIDNRGSHFWLT
KFWADELAAQTEDADLAATFAPVAEALNTGAADIDA ALLAVQGGATDLGGYYSPNEEKLT
NIMRPVAQFNEIVDALKK

>RXN00528 TRANSLATE of: rxn00528.seq check: 9827 from: 1 to: 1089
MSTSTIRVAIAGVNCATSLIQGVEYYRNADPSETVPGLMHVKFGDYHVDIEFVAADFV
DAEKVGIDLA DATEASQNCTIKIADVPQTGINVRGPTLDGLGDHYRATIDE STAEPVDV
VQALIDAKADVLVSYLPVGSEEADKFYQA AAI DAGCAFVN ALPVFIASDPEWAKKFTDAG
IPIVGGDIKSQIGATITHRVLARLFEERGV RVDR TMQLNVGGNMDFKNMLDRNRLESKKV
SKTQAVTSNIPDGPLSGKVEDRN VHIGPSDHVQWLDDR KWAYVRLEGTA FGGVPLNLEYK
LEVWDSPNSAGIIIDAVRAAKIALDRGIGGPIMPASSYLMKSPPEQLPDDVACERLEAFI
IEA

>RXN00595 TRANSLATE of: rxn00595.seq check: 7949 from: 1 to: 1530
MAMDVLLPIFVAVPLAASAI AVLLPWRLIRDILHII VPFA GI FAGIWLFA HTAEHPIAH
NVGLYVGGVAI PFAADTFS AIMLIT TSIVAVAANWFATIVGETRARFYPALTMLITGVN
GALLTADLFNFFFVIEVMILLPSYGLIAMTGTWARLASGRI FV LVNLSASTLLVAGVGIVY
GVI GS VNIAALQDV VEGNPLV ASAMGIVVIAIAV KAGV FPVHTWL PRTY PG T SAA VMGLF
SGLHTKVAVYMLYRIWVHI FNMDPTWNWLIVAFMV ISMLVGGFAGLAENSIRRV LAYQMV
NGMPFILIMMAFTSDDPQR ALAAGL LYTLHHMITIAALVLTSGAIEETYGTGMLS KLSGL
ARREP VVA AVFAAGAFS VVGFPPFSGMWG KALILLEI ARV GNIAAWIAIAAIIIASLGAL
LSMIRVWREVFWGGAMHQ RG VSPQLR ISPAKI APALS LIILS VGMF IFAGPLIDATLTAT
DGLLNTDAYQQAVLGENAIGVPSPSYQGGN

>RXN00606 TRANSLATE of: rxn00606.seq check: 8402 from: 1 to: 2274
VLTGVIAVLIAMS AFTKSAQFPFHFWLPEAMAAATPVSAFLHAAAVVKAGIYLLL RFSIV
FHDVAVWNWLLIIVGMGTAIMSAYFAVQKTDKKLTAYSTVSHLGWIVATIGVGT P FALG
AAIVHTL SHALFKSSLFMLIGVIDHQTGTRDIRRLGFLVKKM PFTFVSVLIGALSMASVP

PLLGFSKEGMITAFCMDAPIGNSYVVLGVAAIGAVLTFTYSAKLVLGAFVDGPRDMSH
 VKEAPVSLWLPAAALPGLMSLPLVLSLFADPVSAAATSAAGEAAHMHLALWHGINTPLL
 ISLGVLVAGILGVLFRKELWKIAETSPFPIATGNDILSMLVYRANLLGKFFGRMADSMSP
 RRHLVSLIVLLWALAAFATIHPSVQLAPKQPGIDRWIDLIPLAIIALSVFGLLTTNRRLS
 AAVLVGTVGVGVSFQMLLLGAAPDVALTQFLVEGLVVVIIMMVVRHQ PANFKRIKPSRRRS
 TVLVAVLAFAAFAVMAWGLLGRHERSELAMWYLNQGPEITSGANVVNTILVEFRALDTLG
 ELSVLGMAAVVIGAMVASMPRHFPAGKTHPRPFQSQLNSIPLRMLLKVLVPALCFLSF
 VFMRGHNDPGGGFIAALIAGGALMLLYLSAKDGRIFRPNPVFIITGAGILMAFSGVLG
 LTHGSFLYAIHFNFVGQHWTTSIFDLGVYAVLGMVSMAINGLGGYLRPGTDNADLDYA
 RRSGPLPATPTVEPEPEGDEDWPEPINPAGDNKEEANR

>RXN00635 TRANSLATE of: rxn00635.seq check: 3133 from: 1 to: 1737
 MAHSYAEQLIDTLEAQGVKRIYGLVGDLSNPIVDARQSDIEWVHRNEAAAFAAGAES
 LITGELAVCAASCGPGNTHLIQGLYDSHRNGAKVLIAISHIPSQIGSTFFQETHPEILF
 KECGSGYCEMVNGGEQGERILHHAIQSTMAGKGVSVVVI PGDIAKEDAGDGTYSNSTISSG
 TPVVFDPTEAAALVEAINNAKSVTLCAGVKNARAQVLELAEKIKSPIGHALGGKQYI
 QHENPFEVGMSGLLGYGACVDASNEADLLILLGTDFPYSDFLPKDNVAQVDINGAHIGRR
 TTVKYPVTGVDVATIENILPHVKEKTDRSFLDRMLKAHERKLSSVETYTHNVEKHVPIH
 PEYVASICLNEADKDAVFTVDTGMCNVWHARYIENPEGTRDFVGSFRHGTMANALPHAIG
 AQSVDRNRQVIAMCGDGGLGMLLGELLTVKLHQLPLKAVVFNNSLGMVKLEMVEGQPE
 FGTDHEEVNFAEIAAAAGIKSVRITDPKKVREQLAEALAYPGPVLIDIVTDPNALSIPPT
 ITWEQVMGFSKAATRTVFGGGVGAMIDLARSNIRNIPTP

>RXN00684 TRANSLATE of: rxn00684.seq check: 631 from: 1 to: 1284
 MTSQTSSQSTSTGGCPFGHTSESTSHGYQPFDMHNPFPAYKELRQEEPVMFDERIGYWV
 VTKYDDIKTTFDWETFSSENAQAPVRKRGPOATQIMTDGGFTAYSGLSARIPEHTRIR
 AIAQKAFTPERRYKALEPDIRAMVIDRVEKMLANDQHVGDMSLAYDIPTITILTIGAD
 IFMVVTYKRWSDSRAAMTWGDSDEEQIIPHANNLVEYQECQRMVADAHAGGDNLTADL
 VRAQQEGQEITDHEIASLLYSLFAGHETTTLISNCFRVLLDHPEQWQAILENPKLIPA
 AVDEVLRYSGSIVGWRRAKLDTEIGGVAIKEGDGVLLMGSANRDEARFENGEEFDISR
 ANAREHLSFGFGIHYCLGNMLAKLQAKICLEEVTRLVPSLHLVADKAIGFRENLSFRVPT
 SVPVTWNA

>RXN00705 TRANSLATE of: rxn00705.seq check: 1372 from: 1 to: 915
 MGRITQNLQVPRVVSTDEQVFVNTRPDTVAVEPLEIRVNGTALTMMRTPGHDIELVHG
 LLLSEGLITDASEVFTARYCAGAVGPDNQNTYNVLELDVIPKDNPARPDVQNPSPHNPEGS
 QHEALHIPTFQPVRELNLVAAQRNVLTTAACVGCAGTSIEQLMNKKWPITPITPDPRMI
 VSLPDKLKSQKQIFDKTGGVHAAGLATLDGEMLIIREDVGRHNAADKVIGNMLMAGKLPL
 ENTILOMSSRASFELVQKAAMAGISGVIAVGAATSLAIEAAQDSGIFLAGFVRGNKFNHY
 AGELG

>RXN00799 TRANSLATE of: rxn00799.seq check: 3114 from: 1 to: 1644
 MSQERPQIGSRLSRVIEQDGLQFRDLGDGV LAPYEDWRTPAERAADLVKRMNVEEKAG
 LMIIGSHYPGYSPLAPESEGKDAEKCEPLLNPDWMREDNPITGVFVTEPVLATSSSTENA
 INLRNQRYLIVRDNLPARGLATWTNAVQEVAAERSRLIGIPVAFASNPRNHVALVAQFGVNE
 SAGVFSEWPGEGLGLAALRDAELMETFGTEAAKEWRAGGVHKLYGYMADLASEPRWSRFNG
 TFGEDPELISDYIAAVVRGLQGPPELSKNSVSTIKHFPGGGVRLDGHDPFHWGQTNEYPP
 TEDALGKYHLPPFQAAIDAGCASIMPYYARPMNNSANQLDQQLWQNPTTQFEEVAFAYNR
 TFIQDLLRDAHGRGYVNSDSGVIDAMMWGVELSEPERFAAVRAGTDIFSDMANPRL
 LEAVAEGHLDSELNQPVQLLEEIQQLGFENPYVSEDEAEKIIGAPEVSALGNKAQLD
 SVTLLRNNSPIRAATGSCSKPEDLPIGYWPYQDRRGSTTAGSSHRSRTPRGNLGVFRVRSR
 SCNRVGSP

>RXN00868 TRANSLATE of: rxn00868.seq check: 5375 from: 1 to: 1911
 MAETKRMTVSQALVEFLGHQWTVDGDIRERTIPGMFGIFGHGNVAGIGQALKQYNVEQPE
 LMPYYQARNEQAMVHQSVGYARMHRRGTYASAASVGPAGTNLLTGAAALATTNRLPALL
 PSDTFATRVADPVLQQLEQPWDIGLTVNDAFRPVSKFFDRVQRPEQLFSIALAAMRVLTD
 PAETGAVTIALPEDVQAEMLDVPEFLQDREWIRPRPERAALARAEVIKNAKNPMI
 AGGGVLYSDAETQLQALVEQTGIPVGTQSAGGGVLAWDHAQNLGGVGATGTLAANRIAGD
 ADVIIGIGTRYSDFTTASRTAFQNPDTVININVASFDAYKHGTQLPVIADAREAIVELA
 EALQGFTVAEDEAQRIAKEKAADAEVDKSFAPSGLALPGQPEIIGAVQASTSEKDViVQ

AAGSLPGDLHKLWRVRDALGYHVEYAFSCMGYEIAGGIGAKRGLDAAGDDRDVVIMVGDG
 SYLMLNTTELVTAVAEGIKVIVVLIQNHGYASIGHLSETVGSQRFGTWYREYDAEAKNFQG
 EQILPVDLAMNARSYGMDVIEVEPSANAIEDLKAAMATAKASEKSTFIHINSDPLIYAPD
 GAGWWDVVPSETSTLDSTNAAREDYLKNQALQRPLL

>RXN00871 TRANSLATE of: rxn00871.seq check: 1232 from: 1 to: 888
 MRWFHKKGELARDGWQSVDATTGWEYTGIRIAELSGSESLELNDTVERIFIPLQGSF
 DVAHHGQVTHLHGRKSVDGPTDVLYLPTGQTATLSQGRVAVAEEAPTQEPEWKYIAPA
 ETPVELRGAGRSSRQVHNFGTPEALDAARLIVECEVITPGENWSSYPPHKDEHIPGHESK
 LEEIYYFESAPSRRVGGRAEAAEGAFCMFSTYSSPAGEIDINAMVYSGDIALVPFGYHGPA
 VAAPGYDLYYLNVMAGPDPERIWLINDPAHAWVRDTWTGQAFDDRLPYENANKEG

>RXN00872 TRANSLATE of: rxn00872.seq check: 2930 from: 1 to: 954
 MTNLSTSTHEVLAIGRLGVDIYPLQSGVGLADQSVGSFKYLGGSAANVSAAARHGHNSALL
 SRVGNDPFGEYLLAELERLGVDNQYVATDQTFKTPVTFCEIFPPDDFLYFYREPDKAPDL
 NIESADVSLDDVREADILWFTLTGFSEEPSRGTHRREILTRTRANRRHTIFDLDYRPMFWES
 PEEATKQAEWALQHSTVAVGNKEECEIAVGETEPEPERAGRALLERGVELAIVKQGPKGVMA
 MTKDETVEVPPFFVDVINGLAGDAFGGALCHGLLSEWPBKVI.RFANTAGALVASRLEC
 STAMPTTDEVEASLNQKV

>RXN00879 TRANSLATE of: rxn00879.seq check: 6977 from: 1 to: 2118
 VTARRFLNELADLYGVATSYTDYKGAGHIEVSDDTLVKILRALGVNLDTSNLPNDDAIQRQ
 IALFHDFREFTRPLPPSVVAVEGDELVFPVHVHDSPADHVIELEDGTQRDVSQVENWTAP
 REIDGIRWGEASFKIPGDPLPLGWHKLHLKSNERSAECGLIITPARLSTADKYLDSPRSGV
 MAQIYSVRSTLSWMGDFNDLGNLASVVAQDGADFLINPMHAAEPLPPTEDSPYLPPTTR
 RFINPIYIRVEDIPEFNOLEIDLRRDIAEMAEEFRERNLTSIDIERRNDVYAAKLOQLRAI
 FEMPRSSEREANFVFSVQREGQGLIDFATWCADRETAQSESVHGTEPDRDELMFYMWLQ
 WLCDEOLAAAQKRAVDAGMSIGIMADLAVGVHPGGADAQNLSHVLAPDASVGAAPPDGYNQ
 QGQDWQSQPPWHPVRLAEEGYIPWRNLLRTVLRHSGGIRVDHVGLFLFVMPPMOSPATG
 TYIRFDHNALVGILAELAGAVVIGEDLGFEPWVQDALAORGIMGTSILWFEHSPSQ
 PGPRRQEYRPLALTTVTTDLPPTAGYLEGEHIALRERLGVLNTPAAELAEDLQWQAE
 ILDVAASANALPAREYVGLERDQRGELAELLEGLHTFVAKTPSALTVCVCLVDMVGEKRAQ
 NQPGTTRDMYPNWCIPLCDSEGNSVLIESLRENELYHRVAKASKRD

>RXN00999 TRANSLATE of: rxn00999.seq check: 9801 from: 1 to: 1452
 MTNGDNLAQIGVVGLAVMGNSLARNFARNGNVTAVYNRSTDKTDKLIADHGSEGNFIPSA
 TVEEFVASLEKPRAIIMVQAGNATDAVINQLADAMDEGDIIDGGNALYTDTIRREKEI
 SARGLHFVGAGISGGEEGALNGPSIMPGGPAKSYESLGPLLESIAANVDGTPCVTHIGPD
 GAGHFKVMVHNGIEYADMQVIGEAYHLLRYAAGMQPAEIAEVFKEWNAGDLDLSYLIEITA
 EVLSQVDAETGPLIDVIVDAAGQKGTGRWTVAKAALDLGIATTGIGEAVFARALSGATSQ
 RAAAQGNLPAGVLTDEALGVDKAQFVEDVRRALYASKLVAYAQGFDEIKAGSDENNWDV
 DPRDLATIWRGGCIIRAKFLNRIVEAYDANAELLESLLDPYFKSELGDLIDSWRRVIVTA
 TQLGLPIPFASSLYYDSLRAERLPAALIQGQRFFGAHTYKRIDKGSFHTEWGDRS
 EVEA

>RXN01025 TRANSLATE of: rxn01025.seq check: 6040 from: 1 to: 996
 VVSVSMGAGSWGTTLAKVFDAGNAVTLWARREELASTIRDSENRDYLPGITLPESLQ
 VTSSATEALEGAAIVVLAI PSQALRGNLAEWKETIPQDATLVSLAKGIEKGTHLRMSEVI
 AEVTEADPSRIAVLSPNLAREIAEGQPAATVIACPDENRAKLVQAAVAPYFRPYTN
 VVGTEIGGACKNVIACGISHGYGLGENTNASLITRGLAEIARLGATLGADAKTFSGLA
 GMGDLVATCSSPLSRNSFGERLGQGESLEKAREATNGQVAEGVISSQSIFDLATKLGVE
 MPITQAVYGVCHRDMKVTDMIVALMGRSKKAE

>RXN01048 TRANSLATE of: rxn01048.seq check: 6923 from: 1 to: 1224
 MTIDLQRSTQNLTHEEIFEAHEGGKLSISSTRPLRDMRDLISLAYTPGVAQVCEAIKEDPE
 VARHTHGIGNTVAVISDGTAVLGLGDIGPQASLPVMEGKAQLFSSFAGLKAIPIVLDVHD
 VDALVETIAAIAPSFGAINLEDISAPRCFEVERRLIERLDIPVMHDDQHGTAVVILAALR
 NSLKLLDRKIEDLKIVISGAGAAGVAAVDMLTNAGATDIVVLDLDSRGIIHDSREDLSPVKA
 ALAEKTNPRGISGGINEAFTGADLFIGVSGGNIGEDALKLMAPEPILFTLANPTPEIDPE
 LSQKYGAIVATGRSDLPNQINNVLAFTPGBFAGALAAKAKITPEMKLAAQRQSQTSQLRT
 SRSAAACLPPWI PALPQQSRLSPKRKTLKNLLIDASLPVEAPIF

>RXN01049 TRANSLATE of: rxn01049.seq check: 4562 from: 1 to: 1482
 MGSIPMTSIPFDDSRGPYVLAMDIGSTASRGGLYDASGCPPIKGTKQRESHEFTGEGVST
 IDADQVVSEITSVINGILNAADHHNIKDQIAAVALDSFASSLILVDGEGNALTPCITYAD
 SRSAQYVEQLRAEIDEKAYHGRGVCLHTSYHPTRLWLKTEFEKEFNKAKYVMTIGEYV
 YFKLAGITGMATSIAAWSGILDAHTGELDLTILEHIGVDPALFGEIRNPDEPATDAKVV
 KKWKHLEEIPWFHAI PDGWPSNIGPGAVDSKTVAAAATSGAMRVILPSVPEQIPSGLWC
 YRVSRDQCIVGGALNDVGRAVTWLERTIIKPENLDEVLIREPLECTPAVLFFSGERSIG
 WAASAQATITNIQEQTGPEHLWRGVFEALALSYQRVWEHMGKAGAAPERVIASGRVSTDH
 PEFLAMLSDALDTPVIPLEMKRATLRGTALIVLEQLEPGGTRATPPFGTTHQPRFAHHYS
 KARELFDALYLKLV

>RXN01130 TRANSLATE of: rxn01130.seq check: 121 from: 1 to: 603
 MDLARKLGLLAGKLVDAAPVSIEVEARGELSSEQVNALGLSAVRGLFSGIIIESVTFVNA
 PRIAEERGLDISVKTNSESVTHRSLVQVKVITGSGASATVVGALTGLERVEKITRINGRG
 LDLRAEGLNLFLQYTDAPGALGTVGTKLGAAGINIEAAALTQAEGDGAVLILRVESAVS
 EELEAEINAELGATSFQVLD

>RXN01143 TRANSLATE of: rxn01143.seq check: 3222 from: 1 to: 1119
 IPVVTLMALGTFPESHELMHMGPMGHGTSAVGALQRS DLLIAIGSRFDDRTGVDVTF
 APDAKIIHADIDPAEIGKIKQVEVPIVGDAEVLARLLETTKASKAETEDISEWVDYLKG
 LKARFPRGYDEOPGDLLA POFVIETLSKEVGPDAIYCAGVGQHQMWA AQFVDFEKPRTWL
 NSGGLGTMGYAVPAALGAKAGAPDKEVWAIDGGCFQMTNQELTTAAVEGFPIKIALINN
 GKPGAWVRQWQTLFYEGRSNTKLRNQGEYMPDFVTLSEGGLGCVAIRVTKAEEVLPAIQK
 AREINDRPVVIDFIVGEDAQVWPMVSAGSSNSDIQYALGLRPF FDGDESAAEDPADIHEA
 VSDIDA AVESTEA

>RXN01144 TRANSLATE of: rxn01144.seq check: 6367 from: 1 to: 516
 MANSVTRHILSVLVQDV DGIISRVSGMFTRRAFNLVFLVSAKTETHGINRITVVVDADE
 LNIEQITKQLNKLI PVLKVVR DEETTIARAIMLVKVSADSTNRPOIVDAANI FRARVVD
 VAPDSVVIESTGTPGKI.RALLDVMEPFGIRELIQSGQIALNRGPKTMAPAKI

>RXN01146 TRANSLATE of: rxn01146.seq check: 6296 from: 1 to: 693
 MTGAKAI VRSLEELNADIVFGIPGGAVLPVYDPLYSSTKVRHVLVRHEQGAGHAATGYAQ
 VTGRGVGCIATSGPGATNLVTPIADANLDSVPMVAITGQVGSGLLGTDAFQFADIRGITM
 PVTKHNFMVTPNNDI PQALAEAFHLAITGRPGPVLDIPKDVQNAELDFVWPKIDLPGY
 RPVSTPHARQIEQAVKLIGFAKKPVLYVGGGVIKADAHEELRAFAEYTGIP

>RXN01175 TRANSLATE of: rxn01175.seq check: 3032 from: 1 to: 1386
 VSWTVDPKEVLPDPLPPLPEGMQQQFEDTISRDAKQQPTWDRAQAENVRKILESVPPPIV
 APEVLELKQKLADVANGKAFLQGGDCAETFESNTPEHIRANVKTLQMAVVLTYGASTP
 VIKMARIAGQYAKPRSSLDGNGLPNYRGDIVNGVEATPEARRHDPARMIRAYANASAAM
 NLVRALTSSGTADLYRLSEWNREFVANSAGARYEALAREIDSGLRFMEACGVSD ESLRA
 ADIYCSHEALLVDYERSMLLATDEEGNEELYLSAHLWIGERTRGMDHFVN FASMIS
 NPIGIKIGPGITPEEAVAYADKLDPNFEPGRLTIVARMGHDKVRSVLPGVIQAVEASGHK
 VIWQSDPMHGNTFTASNGYKTRHFDKVIDEVQGFFEVRALGTHPGIHI EFTGEDVTEC
 LGGAEDITDV DLPGRYESACDPRLN TQQSLELAFLVAEMLRN

>RXN01193 TRANSLATE of: rxn01193.seq check: 6139 from: 1 to: 1449
 MTTALEEQNAQQAATAGR VVVRIGAVV DVEFPRGELPALYNALTVEVTLESVKKTVVLEV
 AQHLDNLIRTIAMAPTDGLVRGA AVTDTARPISVPVG DVVKGHVFNALGDCLDDVSLNN
 NPEIERWGIHREPPSF DQLEGKTEILETGKVIDLLTPVKGKIGLF GGAGVGKTVLIQ
 EMITRIAREFSGTSV FAGVGERTREGTDLFLEEMGVQLQDTALVFGQMDEPPGVGM RVA
 LSGLTMAEYFRDVQNQDVLLFIDNI FRFTQAGSEVSTLLGRMPSAVGYQPTLA DEMGV LQ
 ERITSTKGRSITSLQAVYVPADDYTD PAPATTFAHLDATTELDRSIASKGIYPAVNPLTS
 TSRILEPAIVGERHYEV SQRVIGILQKNKELODII AILGMDELSEEDKITVARARRIERF
 LGQNFVVAEKFTGLPGSYVPLTD TVDAFERICNGDFDHYPEQAFNGLG LDDVEAAYK KL
 TGK

>RXN01204 TRANSLATE of: rxn01204.seq check: 374 from: 1 to: 810
 MKGEFHAPDLDKEFPGHVTD SGEVVNMLFTDFANGWFAMDRIVLIRLLMTAVVVVFFLW

AMRKPKLVPHGQNFQAEYALDFVGIGHIAEDILGKKKRRFLPILATIFFAALLMNLATII
 PGLNISSNSRIAFAPIVMAVAGYIAFIYAGSKRYGFFKYVSSVVIPIPPALHVLVVPIE
 FFSTFILRPVTLALRLMANFLAGHIILVLLFSATNFFFQNGWTAMSGVTILMAVLFTV
 YEIIIVIFLQAYIFALLVAVYIELSLHADSH

>RXN01225 TRANSLATE of: rxn01225.seq check: 1629 from: 1 to: 1440
 MTHNHKDWNDRIAVAEEMVPLIGRLHRNNNVSVFGRLLVNVDIDIIIKSHRYARHIIS
 KELPLESSLDILRELVDMNLGTASIDLQOLAYSFESESTDRLAFLEDALAPVIGAETDI
 NPTDIVLYGFGRIGRLLARILVSREALYDGARLRAIVVRKRNGEEDLVKRASLLRRDSVHG
 GFDGTITTDYDNNIIWANGTPIKVIYSNDPATIDYTEYGINDAVVVDNTGRWRDREGLSQ
 HLKSKGVAKVVLTAPGKDLKNIVYGINHTIDADDQIVSAASCTTNAITPVLKINDRY
 GVEFGHVETVHSFTNDQNLIIDNFHKGSRRGRAAGLNMLTETGAAKAVSKALPELEGKLT
 GNAIRVPTPDVSMAVLNLTNTEVDRDEVNEFLRRVSLHSDLRQQIDWIRSPEVVSTDFV
 GTTHAGIVDGLATIATGRHLVLYWYDNEFGYSNQVIRIVEEIAGVPRVYPERRQPAVL

>RXN01312 TRANSLATE of: rxn01312.seq check: 2455 from: 1 to: 2019
 MSTMSETTRPEFIHPVSVLPEVSAGTVLDAAEPAGVPTKDMWEYQKDHMNLVSPNRRKF
 RVLVVGTLGGAAAAALGELGYDVKAFTYHDAPRRAHSIAAQGGVNSARGKKVNDGAY
 RHVKDTVKGGDYRGRESDCWRALAVESVRVIDHMNAIGAPFAREYGGALATRSFGGVQVSR
 TYYTRGQTGQQLQFSTASALQRQIHLGSVEIFTHNEMVDVITERNGEKRCEGLIMRNLI
 TGELTAHTGHAVIDLATGGYGNVYHMSTLAKNSNASAIMRAYEAGAYFASPSFIQFHPTGL
 PVNSTWOSKTILMSESLRNDGRIWSPKEPNDNRDPNTIPEDERDYFLERRYPAFGNLVPR
 DVASRAISQQINAGLGVGPNNAAYLDFRDATERLGQDTIRERYSNLFTMYEEAIGEDPY
 SSPMRIAFTCHFTMGGLWTDFNEMTSLPGLFCAGEASWTYHGANRLGANLSSASVDGWF
 TLPFTIPNYLGPLLGSERLSEDAPEAQAAIARAQARIIDRLMGNRPEWVGDNVHGPEYYHR
 QLGDILYFSCGVSRNVEDLQDGINKIRALRDFWKNMRTGSTDEMNQVLEYAARVADYI
 DLGELMCVDALDRDESCGAHFRDDHLSEDGEAQRRDDQNWCFSWEPGENGTFVCHAEPL
 FFESVPLQTRNYK

>RXN01332 TRANSLATE of: rxn01332.seq check: 4448 from: 1 to: 576
 HISATIEPDAARAAAAAEDAPGAQAFTRIEDAIAADAVDAVLIAPVGQFHEPVLPVALEA
 GLPILCEKPLTPDSESSLRIVELEQKLDKPHIQVGFMRFDPEYNNLRKLVESGEAGELL
 MLRGLHRNPSVGESEYTQSMLITDSVVHEFDVIPWLAGSRVVSVEVKYPKTSSLAHGLKE
 PILVIMELENGV

>RXN01340 TRANSLATE of: rxn01340.seq check: 5971 from: 1 to: 858
 KVGEIIASVFDTFNIPQGLVSIITTRDAELSAELMADPRLAKVTFTGSTNVGRILVRQS
 ADRLIRTSMELGNAAFVIDEAADLDEAVSGAIAAKLRNAGQVCIAANRFLVHESRAAEF
 TSKLATAMQNTPIGPVISARQRDRIAALVDEAITDGARLIIGGEVPGSGFFYPATILAD
 VPAQSRIVHEEIFGPVATIATFTDLAEGVAQANSTEFGLAAYGFSNNVKATQYMAEHLA
 GMVGINRGAISDPAAPFGGIGQSGFGREGGTEGIEEYLSVRYLALP

>RXN01365 TRANSLATE of: rxn01365.seq check: 6665 from: 1 to: 1374
 MRTRESVTAVIKAYDVRGVGVVIDADFISETGAAFGRLMRSEGETTVAIGHDMRDSSPE
 LAKAFADGVTAQGLDVHGLTSTDELYFASGTLKCAGAMFTASHNPAEYNGIKLCRAGA
 RPVGQDSGLANIIDDLVEGPVAFDGESEGSVSEQDLLSAYAEYLNELVDLKNIRPMKVAVD
 AANGMGGFTVPEVFKGLPLDVAPLYFELDGNFPNHEANPLEPANLVDLQKFTVETGSDIG
 LAFDGDADRCFVDEKGQPVPSAICAIVAERYLEKLPGSTIIHNLITSKAVPEVIAENG
 GTAVRTRVGHFSIKAKMAETGAAFGGEHSAHYFTEFFNADSGILAAMHVLAALGSQDQP
 LSEMMARYNRVASGELNSRLANAEEAQQERTQAVLDAFADRTESVDTLDGTVELKDTSA
 WFNVRASNTEPLLRLNVEAASKEEVDALVAEILGIIRA

>RXN01369 TRANSLATE of: rxn01369.seq check: 8434 from: 1 to: 1182
 MELLEGSLRTYPWGSRTLIAIDLGEESPSSRPEAEVWFGAHPGSPSTIGGNALNEVIAAN
 PEEALGTRVAEEAFENELPFLLKILAAGAPLSLQAHPSLEQAREGFARENSAGIDLGAPNR
 NYRDPNHKPELIVALTEFIAMAGFRPLRNTLTIFDALACEPLDRYRSMLTVDNEEESLRA
 LFTTWITIPIGKRHELIDALISNAHTYLEASDRDEDIAFVLISHIELNEQYPGDVGVLGA
 LLLNFYKLAPEALYLDAANLHAYISGLGVEIMANSNDNVLRGGLTSKYVDVPELVRVLDF
 NSLENARVDEEDGATTHYPVPINEFQLDRVAVQGEAEANHDGPMIVLCTSGTVSLEAGE
 KTLEVAAGHAAWVPANDPTIAMRSSEDAEVFLARV

>RXN01376 TRANSLATE of: rxn01376.seq check: 9104 from: 1 to: 861
 VTYSPGKYLASFDSLPGATSRDTHVVMADNGSVDGVPEQAAASRSNVEFLSTGGNLGYG
 TAINIAARSLRARREAGEIDGEFFLVSNPDVVFDEDSIDQLECAKRHPEAGAVGPLIRE
 ADGSAYPSARAVPTLANGIGHALLGAVWKSNPWSAAYRDDEDMDTERTAGWLGSCLLLR
 WDAFDVRGGFDERYFMYMEDVDLGDRLVRAFGTNVFCPSAQIIHAKGHVAGKNPENMLPA
 HHESAYRFQADRLAKPWQAPIRLALRIGLKLRAVGAVGVSKMRTKAS

>RXN01406 TRANSLATE of: rxn01406.seq check: 5966 from: 1 to: 1023
 MTIRIGLVGYVGGRFLHTPYIQASTHCELGVVVARSEGTKAAVAEDLPDVAIVGSLTEL
 LELGVDAVVISTPPATRRELALEAINAGVAVVADKPFAPSAADAMELVEAAEKAGVLLNV
 FHNRRNDTHIVTALGIQEELGAMRGDLRLLDLIEPDSLEAGPEGGLRDLGSHVVDQTLV
 LMGPATSVTAQLGSIDLPEGPTNARFRIVLEHESGAVSHISASKIDRLESWEIRLVGERG
 SYVSNYTDVQTVAIKQGLRPTNDREHWGYESEERWGLTVDEGSKVIPSQAQGDYTRFYDA
 FALAVENGGAGPVPAREGVAVLKVLDAVAQSAAEKRTIELS

>RXN01468 TRANSLATE of: rxn01468.seq check: 6994 from: 1 to: 825
 MTVNISYLTDMGVLIKEGEIIPGADRFLQSLTDNNVEFMVLTNNNSIFTPRDLSARLKTS
 GLDIPPERIWTSATATAHFLKSQVKEGTAYVVGESGLTTALHTAGWILTDANPEFVVLGE
 TRTYSFEAITTAINLILGGARFICTNPDTGPSPSGILPATGSVAALITAATGAEPYYIG
 KPNPVMMRSALNTIGAHSEHTVMIGDRMDTVKSGLEAGLSTVLVRSGISDDAEIRRYPF
 RPTHVINSIADLADCWDDPFGDGFHVPDEQQFTD

>RXN01498 TRANSLATE of: rxn01498.seq check: 692 from: 1 to: 1563
 MIKRLPLGPLPKELHQTLDDTANAQDAAKVEVIAPFTGETLGFDFDGDEQDVHAFALS
 RAAQKKWVHTTAVERKKIFLKVKHDLVLKNRELLMDIVQLETGKNRASADEVLDVAITTR
 FYANNAGKFLNDKKRPGALPIITKNTQQYVPKGVGQITPWNYPLTLGVSDAVPALLGN
 AVVAKPDLATPFSCLIMVHLLIEAGLPRDLMQVVTGPGDIVGGATAACQCDFLMFTGSTAT
 GRILGRTMGERLGVFSAELEGGKNNPLIVAKDADLDKVEAELPQACFSNSQI,CVSTERIYV
 EEDVYEEVIARFSKAAKAMSIGAGFEWKYEMGSSLINHAQLDRVSTFVDQAKAAGATVLCG.
 GKSRPDIGHPFYEPVLADVPEGTPLTEEVFGPVVFIEKVATLEEAVDKANGTPYGLNA
 SVFGSSETGNLVAGOLEAGGIGINDGYAATWASVSTPLGGMKQSGLGHHRHGAEGITKYAE
 IRNIAEQRWMSMRGPAKMPRKVYSDTVATALKLKIFKVL

>RXN01550 TRANSLATE of: rxn01550.seq check: 138 from: 1 to: 1512
 VQLNDTHPVLAIPELMRLLMDEHDGMGWEESWAIVFKTFAYTNHTVLEALEQWDQQIFOQ
 LFWRVWEIITEIDRRFRLERAADGLDEETIDRMAPIQHGTVHMAWIACYAAYSINGVAAL
 HTEIIKAETLADWYALWPEKFNNKTNGVTPRWLRMINPGLSDLTRLGSDDWVTDLDE
 LKKLRSYADDKSVLEELRAIKAANKQDFAEWILERQGIEIDPESIFDVQIKRLHEYKRQL
 MNALYVLDLYFRIKEDGLDIPARTVIFGAKAAPGYVRAKAIIKLINSIADLVNNDPEVS
 PLLKVVFVENYNVSPAECILPASDVSEQISTAGKEASGTSNMKFMNGALT LGTMGANV
 EIVDSVGEENAYIFGARVEELPALRESYEPELYETVPGLKRALDALDNGLNDNNSGLF
 YDLKHSLIHGYGKDASDTYVLGDFADYRETRDRMAADYASDPLGWARMWINICESGRF
 SSDRTIRDYATEIWKLEPTPAVKK

>RXN01554 TRANSLATE of: rxn01554.seq check: 7857 from: 1 to: 2142
 LKKHVTSAVTAVTAFSTAALGLSIAVSPAVAQVANPAPDLSAPYTWWEEFDSEDALKGW
 NIFRQPDYGSKVLYTEDALSIEDGKLTITTQRHCVDEDFAIISDPVNRGKLNDSTAQVEP
 CAPGQFEKFTSARIVTPKIARGEFDLSVTATLNTGGVEGVRSAIWMQNGEQACSSATNNG
 LYGEQLDLVEHFSYDLRSPWSPSNTHLGCDPESVNGTNRAPRELKLDLDESLDGVEHTWTVST
 TRDGVEYFIDDEAINRQSWRNDVTLGHAEIIDFGISAQTFDEIVDREWTLTLNQKVESAD
 WAKPRSEEDFPVRSMDVIDRIEVTGSPAVSEDTMPMDTTQLLTQDTLEYLGRMPVLERYE
 PASADFADGRRRPSWNYFNLKESWQNPELEQRPEAVEFVDRGRMDIVTRRHCLATTDDIATP
 ENAQEEPCAPGEVTRYSSARVHLPEIPAGNFRLTVRARAQSEELVDPVRPAIWMQNNTNF
 CADNDGRPYGELDITEFYSSRVNTQYSAVHLGCAGNRPEMKLRQMEEESMFCDWHDWGV
 EVFDQIVFTIDGKAVTSSGKDVFGNSVTPAAAPLRPAHFKLSEEEYREVIGQPWHLILN
 TMVEQSGKDSWITAVDNNEAFPEHRFQIDHVAVDIESDSVDNVWPDAANEIPDNVGIEDS
 DDGSDEVGSTGSSTAETVSWISLFTALSSLVFTLALNQEALQNLINQFMRQFK

>RXN01562 TRANSLATE of: rxn01562.seq check: 4942 from: 1 to: 1908
 MGILNSISTPADLKALNDEDLDALAKEIRTFLVDKVAATGGHGLGPNLGVVELTIGLHRVF
 DSPQDPPIFDTSHQSIVHKILTGRAKDFDSLQRQDGALTGGMCWEALNNIAAGKDRKVVVVNDNGRSY
 SYADGLSKAKQLGDTTHSVAVGDGALTGGMCWEALNNIAAGKDRKVVVVNDNGRSY
 SPTIGGFAENLAGLRMOPFYDRFMKGKTSLSKSMGVGERTFEALHAFKEGVKSTVIPTE
 MFPELGMKYVGPVDGHNQKAVDNALKYAHDYDGPPIVHMVTKEGRGYAPAEQDLDLMHS
 TGVIDPLTGAPKSASKPGWTSVFSDELVKIGAQENVVAITAAMAGPTGLSKFEANFPNR
 FFDVGIAEQHAVTSAAAGLALGGKHVVAYSTFLNRAFDQLLMDVGMLNQPVTLVLDRSG
 VTGSDGASHNGVWDMALTSIVPGVQVAAPRDEDSLRELLNEAISIDDGPTVVRFPKGDL
 TPPIVAIDTLEDGVDVLAYEDATDVESTDDAPSVLIAVGERATVALDVASRIKQHGVNVT
 VVDPRWIVPIPQSLVALSDDHDLVITIEDGVIHGGVGSLLSDALNASEVDTPRRQIAVPQ
 KYLDHASRNEVLADYGLDADGIETTVVGWLDSLGE

>RXN01569 TRANSLATE of: rxn01569.seq check: 9598 from: 1 to: 1359
 MEYGKQLTSHTTDIEGLLFDFPVHGDNRGWFKENWQRTKMTNLGLPDFGVQONMSFNA
 TAGTTRGMHAEPWDKFVSVAVGSVFGAWVDLRAGSSTYGNVVTQKITPDGVYVPRGVAN
 GFQALEDGTLYTYLVNDHWPDAHYANVNLNMIDWPLPITEISEKDCKHPALIDATPLPA
 RKVLVVGAGGQLGTLRAQFPDAEFVTRQELDITSDLTEARAWKQYSTIINAAAYTAVDQ
 AEHDRAAAWDINAANAVANLIATIARDNNNLTLVHVSVDYVFDGAAESYDENAPFSPLGVYQ
 SKAAGDIGDTTAPRHYIVRTSWIGDGNNFVRTMKSLDERGIAPSVVDDQIGRLSFTEDI
 AAGIAHLLEVGAAYGTYNLTNTGEPASWADVARAVFSDPTKVTGVSTAEIFANKDAAPRP
 LNSVLDLGKIEATGFSAPTQTRLNDYLKELSK

>RXN01580 TRANSLATE of: rxn01580.seq check: 9660 from: 1 to: 717
 MYKNMHIVAHRAEGLHLENTMTAFQAAAFADELDIHATADNQVVVIHDRTAARVAAP
 DSLHRDTPVARLSAAQIKEITLIDGSPVPTLEEVLLQTSPLIQVEIKSAGAVFAAAALLQ
 KYPEHLERILFISFIDAALVEIVDRLFEARVGIILRDASMDLRLILDYIPLKNVGAILPSW
 KALNVASIADLHTKGKVGWTIRDENAFGIAQQAGVDYATVSDPSRFLAPSPAGEHLHW

>RXN01593 TRANSLATE of: rxn01593.seq check: 9774 from: 1 to: 867
 MYVTNASRAPEVVAQLREIGLADTTADNVMTSAQAACKMAAEKIPAGSKVYVLGSESF
 RELATEAGFVVVDSADDKPVALHGHNPETGWAQLSEAALSINAGAQYFASNLDSTLPME
 RGRHIGNGSMVAAVVNATGVKPLSAGKPGPAMYAGAETLNSSKPLAVGDRLLTDIAGGN
 AAGMDTFQVLTGVSGYYDLVRAIPRAAPHYRHDAGSLQRSGRAQARCPGRFFSAYRRR
 HPGHFRRRCRRNSGCSTPHVGCGLLGHRAVTEVRADSEVAATALQSWW

>RXN01630 TRANSLATE of: rxn01630.seq check: 5194 from: 1 to: 1077
 MSDQKIVVGLLITHPHASARVRALREIDGVEVVAADTDSDLQYFTDKYDVEPREIDDV
 LNDDRINAIMVHSKSKDMVPHAKRALAAGKSVVVEKPGGGTVADLEELLALKEAADPQRI
 VQVGVNVRLSESQRQLKEELLDAGLIGEVVSVQARGAAKVGHEHITEHLNQPADMGGVWLWIL
 GCHMLDALVEVFGAPESVNARVHTAKLSDDTSREDSASALLYPPDFSFSFDGHDDLE
 WFESSRLTVYGTGMIEAGILPQTLRVYLNESRQGWPGWTWTQSYFTPPPARTESNKF
 SELPELENISNFRTEMQGWVNSIRTGSRNVAPVEDALTVARIVSACYESDNNQGISVNI

>RXN01631 TRANSLATE of: rxn01631.seq check: 4404 from: 1 to: 879
 MKPQLIASCWTSAGDAAPDRDDLSSPVAIDERIALVAETGWAGIGLHVADLIKARDTIGY
 EELRRRIHAAGIEIIIEVEFLNGWWATGAERQESDAVRADLFAAAQALGSPHIKVGAGEGT
 NGVVPPIAHMASAFTDLAAEAEAHGVKLALEATPFSHLKTIYDALEVSHSDSPSAGLMVD
 IWHTAKIGIPNDELWRNIPLSKVNAVEVDDGFIDTPIDLFFDDSTNRAYCGEGEFDPASF
 IRGAIDAGWTGAYGVEIIISAEHRSVPKEGLQRAFDTTIAAFEQAARLAPSTN

>RXN01695 TRANSLATE of: rxn01695.seq check: 9144 from: 1 to: 1500
 MSDSPKNAPRITDEADVVLIGAGIMSSTLGAMLRQLEPSWTQIVFERLDGPAQESSSPWN
 NAGTGHSALECELYTPEVKKGVEIAKAVGINEKFQVSRQFWSHLVEEGVLSDPKEFINPV
 PHVSFGQGADQVAYIKARYEALKDHPLFQGMYADDEATFTEKLPLMAKGRDFSDPVAIS
 WIDEGLDINYGAQTQYLDAAEVEGTEIRYGVHSVSIKADGAKWIVTVKNVHTGDTKTICK

ANFVFVGAGGYALDLLRSAGIPQVKGFAGFPVGLWLRCTNEELIEQHAAKVYKGASVGA
 PPMSVPHLDRTRIEGEKGLLFGPYGGWTPFKLKEGSYLDLFKSIRPDNIPSYLGVAQEF
 DLTKYLVTVEVLKDQDKRMDALREYMPEAQNGDWETIVAGQRVQVIKPAGFPKFGSLEFGT
 TLINNSEGTIAGLLGASPGASIAPSAMIELLERCFGDRMIEWGDKLKDMIPSYGKKLASE
 PALFEQQWARTQKTLKLEEA

>RXN01744 TRANSLATE of: rxn01744.seq check: 8546 from: 1 to: 1539
 VDVVDIARWQFGITTVYHFIFVPLTIGLAPLVAIMQTFWQVTGKEHWYRATRFFGTVLLI
 NFAVGATGIVQEKFQFGMNWSEYSRFVGDFVGGPLALEGLIAFFLESVFLGLWIFGWGKI
 PGWLHTASIWIVAIATNISAYFIIVANSFMQHPVGAEYNPETGRAELTDFWALLTNSTAL
 AAFPHAVAGGFLTAGTFVLGISMWWIIRAHROAKKAESIESESKHSMHRPALWVGWWTTVV
 SSVALFITGDIQAKLMFVQQPMKMASAELSCTATDPNFSILTIGHNNCDTVTHLIDVP
 FVLPFLAEGKFTGVTLQGVNQLQAAAECQAYGPGNYSPNLFVTYWSFRAMIGLMLGSLAIA
 AIAWLLLRRKRTPTGKIARLFQIGSLIAIPFPFLANSAGWIFTEMGRQPWVVPNPESAG
 DARTEMIRMTVDMGVSDHAPWQVWLTLIGFTILYLILFVVVWLIARRAVLIGPPEEGAPS
 VEAKTGPATPIGSDMPMTPLQFTAAPTTGEKE

>RXN01752 TRANSLATE of: rxn01752.seq check: 3364 from: 1 to: 1461
 MMEQDLSYREIPLPNASEEKKKAALIDAIEGLRVDPPLSSASIAFTRGQKVAFIAVVVGF
 ILMqliFARQAALIGLSATCFMYLITLLDRFIMFSRGIRAESIIQVSDEDALAFPEDKLK
 TYTVLPAYGEPEVIAQLLASMHAFDYPKHLQVLLMLEDDELPTIAAAEAAGVDQVATI
 IKVPPAQPRTKPKACNYGLHFATGEIVTIFDAEDMPDPLQLRRVVVAFERSASNTVCVOS
 RLSYRNARQNLLTAWFTIEYDVWFNFLLPGVMMRNMAPPVPLGGTSNHLLTGVLKDLGAWDP
 FNVTEENADLGVPIAAKGYSTAVLDSVTWEANSDTINWLRQRSRWYKGYLQTLVYMRP
 KWLVQELGIIPAVRFTFLMAGTPPIAVLNLLFWYLSLTWILQPGTIEQMFPAPVYYPAL
 VCLVVANAATIFMNLIGCREGRDPLLIAVLTFPLYWLIMSIAALKGTWQLITRPSYWEK
 TAHGLEA

>RXN01884 TRANSLATE of: rxn01884.seq check: 9417 from: 1 to: 1890
 VTAIELMPVHQFLQDDRLRDGMNRNYWGYNSFGFFAPYNDYAANKNPGGAVAEEFKGLVRS
 YHEAGLEVILDVVNHTAEGNHMPTIAFRGIDNEAYYYRLVEGDRRHMDYTGTGNSLNV
 RDPHSQLIMDSLRYWVTEHVDGFRFDLASTLAREFDDVDRLATFFDLVQQDPVVSQVK
 LIAEPWDVGEGGYQVGNFPPPLWTEWNGKYRDTVRDFWRGEPATLGEFASRLTGSSDLYAN
 NGRRPTASINFVTAHDGFTLNDLVSYNEKHNMANGEDGRDGESHNRWNCGVEGPTDDPE
 IMQLRAQQRRNFLTLLSQGTPMLSHGDEMARTQNGNNNVYCQDNELAWVNWDQAEENA
 DI.VSFTRRLRIRANHPVFRQQFLAGGPLGADVRDRDIawlVPNGTLMQDDWDFAFGK
 SLQVFNGDAIEEPDYRGQKIHDDSFILMFNAHFEPIDFNLPPHEFGMKWKLLVDTTEAV
 GHPLEDLTIEAGGTITVPARSTMRLRQVEAPDYTEKLEEKIAAEKREQELAAEKEAAEKRE
 LELEAAKEAEDAAEALHLAERASTQEAELAHQHGADAIADEVAEPPQELPQDEVAAEVE
 TEPDTEPDTESTDSEQAEVASEEPEADEEEK

>RXN01891 TRANSLATE of: rxn01891.seq check: 8435 from: 1 to: 864
 GGHYGLPFARSTVLFYNNKDLWAKAGLEDRGPESWEFSEWGPKLQEAMDSGFAHGWGDA
 TNYLSWTFEGPMWSLGGNYSEGWESRLTTPETIRAVEWLKSTVDEGFATVSTDVTNEFAT
 GLIGSCIQSTGDLSSVAGAASFDWGVAALPNPTGEGACPTGGAGLGIIPSGISEQRQDNAL
 KFIDFLTNAANTGYWSRETGYVPVRKDAASDPDHAAFLEENPAYNVAEQLPDTRSQDNF
 RVLLPNGDRTIGDALEKICLTGADIDVTLAEVETKLNTIYTRDIEPLI

>RXN01895 TRANSLATE of: rxn01895.seq check: 607 from: 1 to: 951
 MSVNPTRPEGGRHHVVVIGSGFGGLFAAKNLAKADVDVTLLIDRTNHHLFQPLLYQVATGI
 LSSGEIAPSTRQILGSQENVNVIKGEVTDINVESQTVTASLGEFTRVFEYDSLIVVGAGAG
 QSYFGNDHFAEFAPGMKSIDDALEIRARIIGAFERAECIEDPAERERLLTFVVVGAGPTG
 VELAGQLAEMAHRTLAGEYKNFNTNSAKIILLDGAPQVLPFFGKRLGRNAQRTLEKMGVN
 VRLNAMVTNVDATSVTYKTDGEEHTIESFCKIWSAGVAASPLGKLVAEQTGVETDRAGR
 VMVNDDLSVGDQKNVFB

>RXN01927 TRANSLATE of: rxn01927.seq check: 8048 from: 1 to: 1380
 MALVLGIDSSTQSCKALLVDAATGQVIDEGRASHPSGSEVDPRAWIAALDQATEGLLERA
 DAVSIAGQQHGMVALDENDEIVRPALLWNDTRSAQAALDLNEEIGGDQAAVDATGSVYVA
 SLTATKMRWMRDHEPENAARTASVMLPHDFLTWHLMGRGRKVTDHGDASGTGYYSTRDRA

WRTDLAALALGHEVELPELLAPNAIAGTPGGVKVAAGTGDNAAAALGLDLQPGDVSVSI
 GTSGVAGMTVQHSVHDPSGLVTGFADATGAYFPLACTLNGAPLEFGRRILGVEWEEDDA
 LALAAQPGSGGVTLQPYLEGERTPNRPAARGVLAGLNCATTREDFARATVEGLLLALDDA
 VTALVEATGVPVQRQLIGGGARSQAVREIAAPEIFGHEIVVPEPAEYVALGAARQAAWAL
 SGEATPPQWPPTPGSDPHRAPKNTELSTRYAKLRAATQGWY

>RXN01952 TRANSLATE of: rxn01952.seq check: 6335 from: 1 to: 1713
 MTQPGQTTTSHEAIDAFKRIVGDEHVLTSERATMPFSKGYRFGGGPVFAVVRPGTLVEM
 WRALQSVVDNNLIVIPQASNTGLTGGSGPGFQDYDRPIVIISTHRIDEVHLINDAREAIS
 LAGTPLTHLTDALAKHQREPHSVIGSTSIGASVIGGIANNSSGSQIRKGPAFTREAIFAR
 VNDDGKVELVNHLGISLGDDPEVALDRLQRGeweSPedVTpapedSNETEYAELRKIVPS
 PARYNANPEYLFEASGSAGKLMVFAVRTRTFPREVHPTVFYIGTNNTHELEEIIRRLFLEA
 DMPLPISGEYMGRSADF LAEKYKGDTFVFLKFMSPALQTRMFSFKTWANGLFSKIPGIGP
 TFADTVSQAMFSVLPNQLPKRMMEYRNRFEEHLLTVSESQKAASEKMLKEFFAEPEHTG
 EFFICTSDEEKSAASLNRFGAASAATRYAALKRRHIAGLIPIIDVALRRDDWNWLEVLP
 DDQLEVKA YGHFFCHVMHQDYVAKQGV DLEALHDRIQHLLERGA KLP AEHNYGRMYKL
 PESMEEHFKE LDPTNTFNAGIGGTSPHKDWA

>RXN02036 TRANSLATE of: rxn02036.seq check: 338 from: 1 to: 381
 VHIPFGHLADTVSWDCGGGSCATNDLVSLSFM PAAFMSTLAACVFGAWAIGLIAPALFIAV
 TAWAFRSGVQAAIADGYSATSVG FEMTVSLILFI IAGLCFLGWIPMFINNRQVARKVRE
 RAAGLSN

>RXN02046 TRANSLATE of: rxn02046.seq check: 7831 from: 1 to: 417
 MKETLTGTHQMTYIVPANRTVPHLLPEAAEFETMPDVLATGYMVGIIEWACMELLRPH
 LDDGEISLGTHVNFSHAAPTVPGSTVTIDVEVTEINRRAVTFNITADEFATISTGTHQR
 GVVNREKFVSR LPEAPKEN

>RXN02100 TRANSLATE of: rxn02100.seq check: 3527 from: 1 to: 2325
 LGRINAEEONLSEYLSDKLWYQDTADATDAVGDP LVAYFSMEFGIHP SLPIYSGGLGVLA
 GENMKSA DLGVPLIGVGLYTHGYFTQSLSGDGWQQEYKYHDPAELPIEAVKDKNGEQ
 VTVSVTYPGAQEVKIALWVANVGRIPLI,LLDTNIEANPEELRNVTDR LYGGDNEHRIKQE
 LVLGVGGVRAVN ACFEARGLKRSSVAHNLNEGHA GFTLERIRERIAEGMEYPAAFEQVRA
 SNIFTHTPVPA GIDRFDMEMV RRYLGGGOPE DOOLCVGVPIEKALELGQESD PHRFNMA
 HMGLRASQHANGVAKLHGEVSRDMFAGLYPGYEPREVPIGHVTNGVHLPTWVKPEMKE LI
 DRVTGGADLAVADSWNSNPQAVESEKIWKVRNKFRADLVEVARAATAKSWSHRGHTEAELA
 WTSRVLDPNVLTIGFARRVSTYKRLTMLRNPERLRSILLNEERP VOFVIAGKA PHDMG
 GK KLMOEIVHFADQAGVDRFLFLPDYDINLASYLISGADVWLNNPVRPQEASGTSGMKA
 VMNGGLTLSISDGWWDEMPKETTGWTIPTVESQDLECRDHLESQALYDLLENEVAPLFYK
 RDKN GIPQDWLDLVRESWTTLS PMVTSTRMVRD YTTQYYRPTKHQAELIAQPAEAADYAA
 WLEHIKA EWAGVKVSDLK ISES AITA QELEVSVRV DSGSLN DDEFQAOQALFGAL GHNGDI
 EDPEITVLT PRGDGAYAA KVSTDLPGN YGITARV VPNNRMLVSPAETRLITYLEN

>RXN02125 TRANSLATE of: rxn02125.seq check: 5612 from: 1 to: 801
 MVATSQFIDDSEAAQAVRAAI VAGYRNIDTALAYGNERGVGEGIRTAGV PREELFISTKL
 AAEIKDYDGAVAAI DESLAKI GLD YV DLM LIHSPQPWSDFRGGDYSEG NREAWRALEDAY
 KAGKIRSIGVSNFLEADLENILD SATVAPHVNQLLVHVGNTPSELISFCDSKGILVEAYS
 PIAHGEMLKNQVKAIDKYNV SI PQLCIRYTIQLGT VSLPKTANPDHMSSNAQIDFEIS
 EEDMAALQEV TARDYGEHSGFPVYSGK

>RXN02206 TRANSLATE of: rxn02206.seq check: 8771 from: 1 to: 936
 MVGSSGLRVSR LGLGTSTWGSGTELAEAGDIFKAFINSGGTLIDVSPNYTTGVAEEM LGT
 MLD AEV SRSAVVISSAGVNPA LPLGRRVDCSRRNLIAQLDVTLRALNTDYLDLWSVGYW
 DEGTPHEVADTLDYAVRTGRVRYAGV RGYSGWQLAVTHAASN HAAASARP VVVAQNEY S
 LLERRAEQELLPATQH LGVGFFAGAPLGQGVLTAKYRSEIPHDSRAASTGRDAEVQSYLD
 NRGRIIVDALDTAAKGLGISP AVTATTWVRDRPGVTAVIVGAR THE QLSHLLKAESVTL P
 TPITQALDDVSL

>RXN02209 TRANSLATE of: rxn02209.seq check: 8467 from: 1 to: 1671
 TESTV VPSIAGPKRPQDRILLSEAKEQFRKDLPTYTDDAVSV DTSI PATRMVN EGGGQPE

GGVEADNYNASWAGSGESLATGAEGRPSKPVTVASPGGEYTIDHGMVAIASITSCTNTS
 NPSVMIGAGLIARKAAEKGKSKPWKTICAPGSQVVDGYYQRADIWKDLEAMGFYLSGF
 GCTTCIGNSGPLPEEISAAINEHDLTATAVLSGNRNFEGRISPVDVMNYLASPIMVIAYA
 IAGTMDFDFENEALGQDQDGNDVFLKDIWPSTEEIEDTIQQAISRELYEADYADVFKGDK
 QWQELDVPTGDTFEWDENSTYIRKAPYFDGMPVEPVAVTDIQC GARVLAKLGDSTTDHIS
 PASSIKPGTPAAQYLDEHGVERHDYNLSRRGNHEVMMRGTFANIRLQNQLVDIAGGYT
 RDFTQEGAPQAFIYDASVNYKAAGIPLVVLGGKEYGTGSSRDWAAKGTNLLGIRAVITES
 FERIHRSNLIGMGVVPLQFPAGESHESLGLDTETFDITGLTALNEGETPKTVKVTATKE
 NGDVVEFDAICPHRHPR

>RXN02213 TRANSLATE of: rxn02213.seq check: 8081 from: 1 to: 774
 VTESKNSFNAKSTLEVGDKS YDYFALS A PGMEKLPYSLKVLGENLLRTEDGANITNEHI
 EAIA NWDA SSDPSIEIQFTPARVLMQDFTGVPCVVDLATMREAVAALGGDPNDVNPLNPA
 EMVIDHSVIVEAFGRPDALAKNVEIEYERNEERRYQFLRWGSESFSNFRVPPGTGIVHQV
 NIEYLARVVFDNEGLAYPDT CIGTDSHTMENG L GILGWGVGGIEAEAAMLGQPVSMLIP
 RVVGFKLGEIPVGVTAT

>RXN02326 TRANSLATE of: rxn02326.seq check: 550 from: 1 to: 816
 MLGRPTKVTPSSKVVGDLALHLVGAGVDPADFAADPQKYDIPDSVIAFLRGELGNPPGW
 PEPLRTRALEG RSE GRSEG KAPL TEVPEEEQAHLD ADDSKERRNSLNRLLFPKPTEEFLEHRR
 FGNTS ALDDRE FFYGLVEG RETLIR LPDV RTPLLVR LDAI SEPDDKGMRNV VANVNGQIR
 PMR VRDRS VESVTATAEKADSSNKGHVAAPFAGVVTVTVAEGDEVKAGDAV AIEAMKME
 ATITASVDGKIDRVVVPAATKVEGGDLIVVVS

>RXN02327 TRANSLATE of: rxn02327.seq check: 173 from: 1 to: 960
 LLATRVRSFALKPAAEAVAKLPELLSVEAWGGATYDVAMRFLFEDPWDRLDELREAMPN
 VNIQMLLRGRNTVGYPDPDSVCRAFVKEAASSGVDFIFRIDALNDVSQMRPAIDAVLET
 NTAVAEVAMAYSGDLSDPNEKLYTLDDYYLKMAEEIVKSGAHILA KDMAGLLRPAAVTKL
 VTALRREFDLPVHVHTHDTAGGQ LATYFAAAQAGADAVDGASGTTVWHHLPSHPLSAIVA
 AFAHTRRD TGLSLEAVSDLEPYWEAVRGLYLPFESGTPGPTGRVYRHEIPGGQLSNLRAQ
 ATALCIADR FELIEDNYASR

>RXN02328 TRANSLATE of: rxn02328.seq check: 5494 from: 1 to: 1596
 VTAITLGGLLLKGIIITLVSTHTSSTLPAFKKILVANRGEIAVRAFRAALETGAATVAIYP
 REDRGSFHRSFASEAVRIGTEGSPVKAYLDIDEIIGAAKKVKADAIYPGYGFLSENAQLA
 RECAEN GITFIGPTPEVLDLTGDKSRAVTAAKKAGLPVLAESTPSKNIDEIVKSAEGQTY
 FIFVKAVAGGGGRGMRFVASPDELRK LATEASREAEAAF GDGAVYVERAVINPQHIEVQI
 LGDHTGEVVHLYERDCSLQRRHQK VVEIAPAQAQHLDPELDRICADA VFKCRS IGYQGAGT
 VEFLVDEKGHNHFIE MNPRIQV EHTVTEEVTEVDLVKAQMRLAAGATL KELGLTQDKIKT
 HGAALQCRITTEDPNNGFR PDTGTITAYRSPGGAGVRLDGA AQLGEITA HFDSMLVKMT
 CRGSDFETAVARAQRALAEFTVSGVATNIGFLR ALLREEDFTSKRIATGFIADHPHLLQA
 PPADDEQGRIL DYLADTVNKPHGVRPKDVAAPIDKLPNIKDLPLPRGSRDR

>RXN02333 TRANSLATE of: rxn02333.seq check: 9284 from: 1 to: 915
 MNLFNSGVDVGRRRQAFKAALAAPHIARLPGAFSPLIARSIEEAGFEGVYVSGAVIAADL
 ALPDIGLTTLTEVAHRARQIARVTDLGVLDADTGFGEPMSAARTVAELEDAGVAGCHLE
 DQVNPKRCGHLDGKEVVRTDVMVRRIAAAVSARRDPNFVICARTDAAGVEGIDAAIERAK
 AYL DAGADMIFTEALHSEADFRYFRHAIPDALLANMTEFGK TLLSADVLEEIGYNAVI
 YPVTLRIAMQVEQALAEIKEHTQEGWLDRMQHRSRLYELLRYEDYNVFDQHIFTYRK
 GENNE

>RXN02399 TRANSLATE of: rxn02399.seq check: 7887 from: 1 to: 1344
 VVGT AHCESALKEVTLMSNVGKPRTAQEIQ QDWDTNPRWNGITRDYTADQVADLQGSVIE
 EHTLARRGSEI LWDAVTQEGDGYINALGALTGNQAVQQVRA GLKAVYLSGWQVAGDANLS
 GHTYPDQSLYPANSVPSVVRINNALLRSDEIARTEGDTSDVNWVPIVADGEAGFGGAL
 NVYELQKAMIAAGAAGTHWEDQLA SEKKCGH LGGKVLIPTQQHIRTINSARLAADVANTP
 TVVIARTDAEAATLITSVD DERDQPFITGERTAEGYYHVKNGLEPC TARA KSYAPYADMI
 WMETGTPDLELAKKFAEGVRSEFPDQLLSYNCSPSFNWSAHLEADEIAKFQKELGAMGFK
 FQFITLAGFHSLNYGMFDIAYGYAREGMTSFVDLQNREFKAAEERGFTAVKHQREVGAGY
 FDQIATTVD PNSSTTALKGSTE EGQFHN

>RXN02404 TRANSLATE of: rxn02404.seq check: 8768 from: 1 to: 2217
 MTEQELLSAQTADNAGTDSTERVDAGGMQVAKVLYDFVTEAVLPRVGVDAAKFWSGFAAI
 ARDLTPRNRELLARRDELQMLIDDYHRNNSGTIDQEAYEDFLKEIGYLVEEPEAAEIRTQ
 NVDTEISSTAGPQLVVPILNARFALNAANARWGSYDALYGTNAIPETDGAEKGKEYNPV
 RGQKVIEWGREFLDSVPLDGASHADVEKYNITDGKLAAHIGDSVYRLKNRESYRGFTGN
 FLDPEAILLETNGLHIELQIDPVHPIGKADKTGLKDIVLESAITTIMDFEDSVAAVDAED
 KTLGYSNWFGNLNTGELKEEMSKNGRIFTRELNKDRVYIGRNGTELVLHGRSLLFVRNVGH
 LMQNPSILIDGEEIFEGIMDAVLTTCAIPGIAPQNMRNSRKGSIYIVKPKQHGPEEEVA
 FTNELFGRVEDLLDLPRTLKVGVMDEERRTSVNLDASIMEVADRLAFINTGFLDRTGDE
 IHTSMEAGAMVRKADMOTAPWKQAYENNNDAGIQORGLPGKAQIGKGMWAMTELMAEMLE
 KKIGQPREGANTAWVPSPTGATLHATHYHLVDVFVKQDELRAAGRDSLRNILTISTAPN
 TNWSEEKKEMDDNNCQSILGYVVRWVEHGVGCSKVPDIHDIDLMEDRATLRISSQMLAN
 WIRHDVVSKEQVLESLERMAVVVDKQNAGDEAYRDMAPKYDASLAFQAACKLIFEGTKSP
 SGYTEPILHARRREFKAKN

>RXN02434 TRANSLATE of: rxn02434.seq check: 219 from: 1 to: 1650
 MRTFAAYIAIDGLSFSYPNTHVLSDISLTVANGDIAGLIGENGAGKSTLLSLIAGVMEPD
 QGRIYLPERTGFIQAQETDLPFEQPVQLSIDAAVAPVRAVDAAITDLSTKLGDASLSAEEQ
 AQVATDFDAALGAAEELGLWELDARIETIVAGLGLAEVDRSTPIGELSGGQRFFALAAL
 LLEPHDALIFDEPTNHLDLTAVIDFLISEISRFKGPVLIASHDRFFLDSVCTELIDLDPAL
 GPEGGSGEEVKQAVSFGGGFSEYIKERETRRTRWAQLYTAQETEREKLEETTGTTESDIF
 HSSVSKSEAKITAKFYADRAAKTQGNRVRSAKNRLKELEYEIIPAPPKPLEFQGIPEASG
 NGHGETLEVRAIAVENRLQPLTFHIDPGDHILVEGPNGVKSTLLSVLEGVLEPTEGELI
 VPEGLKVARLKQDDQWTEKQLNTPVDELFAALKSGPVGLNLVEMGLLRETSQSSPLRALS
 LGQRRRVSLGLILASPPDLLLLDEPTNHLSLALSEELESIAIEKFPGRVILASHDRWIRKR
 WTGKKISLSR

>RXN02461 TRANSLATE of: rxn02461.seq check: 9219 from: 1 to: 408.
 MRGLIVDYAGVLDGTDEDQRRWRNLLAAAKNGVGTVILSNDPGGLGAAPIRELETNGVV
 DVKLLSGELGVEKPEEEAQAAAADAIIDLPMRDCVLVDDSIlnVRGAVEAGLGVVYYQQFD
 RAVVEIVGLFGEF

>RXN02480 TRANSLATE of: rxn02480.seq check: 3686 from: 1 to: 1656
 MTTTDHKQLGIMIIMSFSFFFLLGGLMALLIRAEFTPGLQFLSNEQFNQLFTMHGTVMIL
 LLYGTPIVWGFANYVPLQIGAPDVAFPRLNAFGFWITTVGGVAMLTGFLTPGGAADFGW
 TMYSPLSDAIHSPGLGSDMWIVGVGATGIGSVASAINMLTTILCLRAPGMTMFRMPIFTW
 NIFVVSVLALLIFPLLLAALGVLYDRKLGGHYDPANGGSLLWQHFLWFFGHPEVYVLA
 LPFFGIVSEIIIPVFSRKPMFGYVGLIFATLSIGALSMAVWAHHMFVTGAVLLPFFSFMTF
 LISVPTGVKFFNWVGTMWKGHTWETPMIWSVGFMATFLFGGLTGIMLASPPLDFHLADS
 YFLIAHFHYTLFGTVVFASCAGVYFWFPKMTGRMMDERLGKIHFWLTFVGFHGTFLIQHW
 VGNMGMPRRYADYLDSDGFTIYNQISTVFYFLGLSVIPIWNVFKSWRYGELVTVDDPW
 GYGNSELWATSCPPPRHNFAISLPRIRSERPAFELHYPHMIERMRAEAHTGHDDINAPEL
 GTAPALASDSSR

>RXN02554 TRANSLATE of: rxn02554.seq check: 9544 from: 1 to: 624
 MSHTKPSIAILGAGRVGSSLARSAVAAGYEVKAGSGAVDKIALTAEILMPGAVPSTADQ
 AVKDADIVFLAVPLHKFRSVNPATLEGKIVIDTMNHWVPVNGELEEIDQDPRSTSEIIAE
 FFAGSTMVKSFNHIKYHEIEQDAGTGRAIAYATDDVDAGAQVAQLIKSFGFVPLNIGALE
 NGRJLEPGQEAFGAHLNKDSRLELVNQR

>RXN02556 TRANSLATE of: rxn02556.seq check: 1750 from: 1 to: 1158
 LIVSTQPITDRSALSAAEHAEVIKATLPLVGGKINEITPVFYNKMFAAHPELIANTFNRGN
 QKQGDOOKALAASIATFATMLVTPDAPDPVQLSRIGHKHVSLGITADQYDIVHEHLFAA
 IVEVLAETVTAPVAEAWDAVYIWIMANVLIGFENNLYASNDLEPGDVREVTVTAKKQLS
 ATVWEYTLAGELVAPEPGQYTSIGVVLDGARQLRQYSLLGGSDTEYRIAIVEDNGEVSGF
 LRDRSVGDKIEATIAAGDLVLNKDTNPVVLISQGIGSTPMVGMLAGMNPERDVVVLHAD
 QAESTYAQVEEVQGLVEKLPKAAFEIFYRDNDQWLEVAGRIPSGASVYLCGGVEFLKNVR
 EQIEALDEQPRDVNFELFAPNDWLIS

>RXN02560 TRANSLATE of: rxn02560.seq check: 4626 from: 1 to: 867
 MQGNSLNLADNSERKKPMPSPELLAARYGQPATWTPPQWNETLDVIHQHRSVRRWLDKP

VDDDTIRTIISAAQSAGTSSNKQVISVIVVKDPELRKGLAGITRQMFPHLEQVPAVLIWL
 IDYSRISAVAAREDLPTGALDYLDAAWGFLDAGIAAQNAIAAESLGLTLYLGSVRND
 AEAVHKLLGLPPEIVPVVGLEMGHADPPEPAGIKPPPLPQEAIHVWDTYTEKNLELIDSYD
 RALDTYYSGHQHQLWSKQTAHRAASKFSKTNRQFLRGVFERAGFGLR

>RXN02591 TRANSLATE of: rxn02591.seq check: 6816 from: 1 to: 1830
 MTTAAIRGLQGEAPTKNKEELNNWIADAELFQPEAVVFVDSQAEDWDRMAEDLVEAGTLI
 KLNEEKRPNSYLARSNPDSVARVESRTFICSEKEEDAGPTNNWAPPQAMKDEMSKHYAGS
 MKGRTMYVVPFCMGPISDPDPKLGVLQTDSEYVMSMRIMTRMGIEALDKIGANGSFVRC
 LHSVGALEPGQEDVAWPCNDTKYITQFPETKEIWSYGSGYGGNAILAKKCYALRIASVM
 AREEGWMAEHMLILKLINPEGKAYHIAAFPSACGKTNLAMITPTIPGWTQAVVGDDIAW
 LKLREDGLYAVNPENGFFGVAPGTNYASNPIAMKTMEPGNTLFTNVALTDGGDIWWEGMD
 GDAPAHЛИDWMGNDWTPESDENAAPHNSRYCVAIDQSPAAPEFNDWEGVKIDAILFGGR
 RADTVPLVTQTYDWEHTMVGALLASGOTAASEAEAKVGTLRHDPMAMLPFIGYNAGEYLQ
 NWIDMGNKGDKMPSiFLVNWFRRGEDGRFLWPGFGDNRSVLKWIDRIEGHVGADETVV
 GHTAKAEDLDLDGLDTPIEDVKEALTAPAEQWANDVEDNAEYLTFLGPRVPAEVHSQFDA
 LKARISAAHA

>RXN02596 TRANSLATE of: rxn02596.seq check: 6451 from: 1 to: 1203
 MTESKNYDLIVVVGSGLFGLTVERAASQLGKKVLIVERRSHLGGNAYSEAEPETGIEIHK
 YGAHLFHTSNTRVWEYVNQFTSFTGYQHRVFAMHNGTAYQFPMGLGLINQFFGKYYPDE
 ARELIKEQSAEIDSSDATNLEEKAIISLIGRPLYEAFIRDYTAKQWQTDPKNLPAGNITRL
 PVRYNFNNRYFNNDTYEGLPTDGYAAWLEKMAEHELIIDVRLDTDFDVRDDLRAASNDPAPV
 VYTGPLDLYFNYAEGKLGWRTELDFTETVVETGDFQGTPVMNYNDADVPFTRIHEFRHFHP
 ERDDSYPKDKTVIMREFSRFADNEDEPYYPINTPDDRDMLKQYRLLAAEEAANNKVLFGG
 RLGTYQYLDMHMAIGSALSMFDNKLVFFEEGTPLEQERGH

>RXN02654 TRANSLATE of: rxn02654.seq check: 5233 from: 1 to: 885
 MISLLNDPRTLFPKVDPKQSQPEPGLDIKLSPQADIGLISSYQGSGLRKRALITGGDS
 GIGAAVAAIAYAREGADVAIAYLPEEQADADRVLQIAIEETGQKAFSPGDLRDPPEYCRSLV
 QETVNALGGLDILVNNASRQVWAPGLTEITDENFDQTLQVNLYGSFRVTKAIPHLPGS
 SIIIFTSSIQAYQPSETLLDYAMTKAALNNLSKGASSLIGDGIRVNSVAPGPFWTPLQPS
 HQQPQEKEIEFGQHAPIGRAHGPVELAGAYVFLASDEASYVGETLGVGGTPTP

>RXN02674 TRANSLATE of: rxn02674.seq check: 2941 from: 1 to: 1452
 VTATFAGIDATKHLIGGWVEGNSDRISTNINPYDDSVIAESKQASIADVDAAYEAAKKA
 QAEWAATPAAERSAIITYRAAELLEEHHREEIVEWLIKESGSTRSKANLEITLAGNITKESA
 SFPGRVHGRISPNTPGKENRVYRVAKGVVGVIISPWNFPLNLSIRSVAPALAVGNAVVIK
 PASDTPVTGGVIPARIFFEAGVPAGVISTVAGAGSEIGDHFTVTHAVPKLISFTGSPVGR
 RVGELAINGGPMKTVALELGGNAPFVVLADADIDAQQAAAAGFAFLHQGQICMSINRVIV
 DAAVHDEFLEKFVEAVKNIPTGDPSAEGTLVGPVINDSQLSGLKEKIELAKKEGATVQVE
 GPIEGRLVHPHVFSVTSDMEIAREEIFGPLISVLKADDEAHAAELANASDFGLSAAWWS
 KDIDRAAQFALQIDSGMVHINDLTVDPEHVMFGGSKNGLRFNGDWAIEEFTDRWIG
 IKRS

>RXN02675 TRANSLATE of: rxn02675.seq check: 8425 from: 1 to: 1857
 MNEFDQDILQEIKTELDELILEDEVQTHSEIIGQVSPHYVGARNLMHYAHLRTKDLR
 GLQQRLLSSVGATRLTTPEAVQARLKAARNVIGAFAGEGPLYPPSDVVDAFEADEILDE
 HAEILLGEPLPDTSCIMVTLPTEAATDIELVRGFAKSGMNLARINCAHDDETVWKQMID
 NVHTVAEEVGREIRVSMDLAGPKVRTGEIAPGAEVGRARVTRDETGVVLTPAKLWITAHG
 SEPVPAPESLPGRPALPIEVTPEWFDKLEIGSVINVPDTRGSRAFTVTRVFDGAVLAEG
 PQKAYISNGTLLHEHNYDRSRVYGIPIAVVQRINLKVGDRLLITDEELTYDPSLGSGRTPRI
 SCTLPOAVDAIKVGHRLFDDGAIAAVCIDKTSTADGHNDVELEVTHARPQGVNLAAAYKG
 INLPDSELPLPSLTEEDLQHLRFVVKYADIAISFIRNVADVEYLLQALADIGDPVAVER
 LGLVLKIEТИPGYEGLAQILLTGMRHENFGIMIARGDLAELGFDRMAEVQPQLIMALAEA
 AHVPTILATQVLENMAKNGLPSRAEITDAAMALRAECVMLNKGPHINDAIKVLTEMSRKL
 GASQRKSRLLLRKVKSWE

>RXN02688 TRANSLATE of: rxn02688.seq check: 959 from: 1 to: 669
 MAGRIILLRHGQTHNNVKHLLDTRPPGAELTDLGRKQALEVGHELATYSGERLAHVYSSI
 VLRAQQTAVLATSTFEKARDMQSGAIPLDVVEGIQEINVGDFEMRGDEEAHMNYSRALNG

WLHGDPAAGLPGGETYKDVLNRQPTLDRIMDSHLDLDRDVAVVSHGAVIRIVATHATG
VDPNFAFNTYLGNCRFVVLEPNGKKFSQWDVVRWTDSPLPWQE

>RXN02765 TRANSLATE of: rxn02765.seq check: 9432 from: 1 to: 759
MSNQLPDHVRDAFQVGAGPAAEQLGQAQWDFGFRVGNTVFAKVTAPAVEVGSSKTRETLKPE
GVRVVRPIRSTDGRFVVAGWRASVFSTGTISKRVDETVVAGRLADALVDTHAPEGVDNV
FNRADVQAWEEQPGRIGELLEPINRVNQVGHADMLATTLYAGTQPPAVTDLVPVLRPHGF
TAALVIVDGLLGAVDEGILRRFSHLPEIEQLVLAFLFRRNLQEFSENNDPNVISNLNR
VESTLVSYVSDKI

>RXN02803 TRANSLATE of: rxn02803.seq check: 251 from: 1 to: 657
VSGEMLAAALSAGMASQGVDVIRGVIPTPAVAFLTDDYGADMGVMSASHNPMPDNGIK
FFSAGGHKLPDHVEDEIERVMDSLPAEGPTGHGVGRVIEEATDAQDRYLEHLKEAVPTSL
EGIKIVVDAANGAASVVAAPTAYEAAGATVIAIHNPDSYNINMDCGSTHIDQAQPPVLKH
GADLGLAHGDADRCLAVNKDANLVGDQIMALLAIAMK

>RXN02821 TRANSLATE of: rxn02821.seq check: 9220 from: 1 to: 240
MNEIIILAQDATESTITGLGAVGYGIATIGPGLGIGILVGKALEGMARQPEMAGQLRTTMF
LGIAFVEALALIGLVAGFLF

>RXN02829 TRANSLATE of: rxn02829.seq check: 1194 from: 1 to: 273
MQKNILKSGIEISELGLGCMSSLGTYKKAQPIIESAIDNGITYFDTADIYDQGVNEEIVG
KALKKYQNRDDIVIGTKVGNRLTDDGHMTWD

>RXN02920 TRANSLATE of: rxn02920.seq check: 9771 from: 1 to: 912
MKFVMPYHLWESTTAVIEGGGHHERVEDIKDADFTFFNGSAPEFPDLPENIKFVQASMAGI
DALVKRGVVNEKARWANAAGLYADTVAAESTIGLILAQMHHATTRLAWSWSVRPEVENNK
SWLHDNKTVAI LGAGGIGVRLLEMKPFNVKTIAVNNNSGRPVEGADET FAMDKAEHVWA
ADVFLVILPLTDATYQIVNAETLGKMKPSAVVNVGRGPLINTDDLVDAI.NNGTIAGAAL
DVTDPPLPDSHPLWEMDNVITPHTANTNERIRALTGEITLRNIELFEAGEQMATEVDV
VAGY

>RXN03014 TRANSLATE of: rxn03014.seq check: 5818 from: 1 to: 906
YVGFEVLLVASYVLLTGLGASPARVRSVGVGYVMVSMASMSVFLFGlamvyASVGTLNMAHV
GLRMEDVPSGTRSAIFAVLLVAFGIKAASFPLDSWLPDYPTAPS LVTAVFAGLLTKGV
YSIIIRARSIIFTDGSLDTMLMWVALATML1GILGAMAQNIDIKRLLSFTLVSHIGYMIFGV
ALGSAQGLSGAI FYAIHHILVQTSFLVVGLVERQAGSSLRLGSLAYISPLI AILYFI
PAINLGGIPPFSGFLGKIMLIEAGARRWQLAGMGPYRRRCRCHLTAHLVHHGSGLVQGLLA
RP

>RXN03015 TRANSLATE of: rxn03015.seq check: 9736 from: 1 to: 282
LGVGTPQQKGTYAADLTYVRQVVEDLVPLEGEHIIFGKSTPVPGTAEQLQELADSLVKP
GSHVEIAWNPEFLREGYAVKDTITPDRIVVGVR

>RXN03030 TRANSLATE of: rxn03030.seq check: 5862 from: 1 to: 564
VLPLDPAASLKIYPLVTGRTKIDEVQLQLEAAIRAEELPGVTLSSESEADLAIWARP
EALFEDDLEGVSLSVDPRAVNGVDVERVQAVEAAVPTILAVNFTNPWVLSIEPGAAAVG
TEIKAPEFLLKALTGQEGGPKGKPLTVPASMQAIADSPRDIPGKFLDESYT
YVDSAGMAY KYGHGLNF

>RXN03043 TRANSLATE of: rxn03043.seq check: 4634 from: 1 to: 1362
DLDGFRQEVSREQGGIPSYPHGMKDFWEFPTVSMGLGPMDAIYQARFNRYLENRG
IKD TSDQHWWAFLGDGEMDEPESRGLIQQAALNNLDNLTFVVNCNLQRLDPVR
GNTKIIQEL ESFFRGAGWSVIKVVGREWDELLEKDQDGALVEIMNNNTSDGDYQT
FKANDGAYVREHFF GRDPRTAKLVENMTDEEIWKLPRGGHDYRKV
YAAKRALET KDRPTVILAHTIKGYGLGH NFEGRNATHQMKKLT
LDDLKLFRDKQGIPITDEQLEKDPYLPPYYHPGEDAPEIKY
MKER RAALGGYLPERRENYDPIQVPPLDKLRSRVKGGKQQIATT
MATVRTFKELMRDKGLADR LVPIIPDEARTFGLDSWFTP
LKIYNPHGQNYVPVDHDLMLSYREAPEGQILHEGINEAGS
VASFIAAGTSYATHGKAMIPLYI
FYSMFGI PAHR

>RXN03044 TRANSLATE of: rxn03044.seq check: 1253 from: 1 to: 831
 MARGFLLGATAGRTTLTGEGLQHMDGHSPVLASTNEGVTYDPSFAYEIAHLVHRGIDRM
 YGPGKGEDVIYYITIYNEPTPQPAEPEGLDVEGLHKGIYLYSRGEGTGHEANILASGVGM
 QWALKAAASILEADYGVRANIYSATSWVNLRDGAARNKAQLRNPGADAGEAFVTTQLKQT
 SGPYVAVSDFSTDLPNQIREWVPGDYTVLGADGFGSDTRPAARRFFNIDAESIVVAVLN
 SLAREGKIDVSVAQQAAEKFKLDDPTSVSVDPNAEE

>RXN03056 TRANSLATE of: rxn03056.seq check: 8420 from: 1 to: 678
 LDAAGISLSAVGSDFGKINITDPFEDHLERARHGVEAKLFGAKYIRMFSSFAEGDNPE
 SFRKEVLSRTHAMVELAEAGGITLLHENEKGIYGDSPQRVKDLITSIDSPNYRAIYDAAN
 YVQTGFKFDEAWPIVKDYVDYVHIKDATIPDAEHPIGIKPGQGDGQYPELLAALNAD
 GYNGFVSIEPHLGDFEFGGLCGPDWLTSACDALAGILNNINAEYN

>RXN03057 TRANSLATE of: rxn03057.seq check: 8669 from: 1 to: 672
 LASDLGIKFVAVVDKDLETAEKFATGLGAAGDSSESSVKAHGLSPALFSKKKIDVLHITT
 PHDQHIGLALEALHHGVNVILEKPLANELDQAQRLIDYLDENPDGPKIAVCYQNRYNVSS
 QELRRLLSGDLGAINGAYSSVVWTRTPGYYTQKPWRGQOAHSGGGLMNQAIHTLDLLQ
 WFLGKATEVKGTVSTDKYADVIDVEDTAHAYIGHESGVHTSEVS

>RXN03061 TRANSLATE of: rxn03061.seq check: 2307 from: 1 to: 330
 VSLTFPVINPSDGSTITELENHDSTQWMSALSADAAGPSWAAKTPRERSVVLTAIFEA
 TERAQELAEIIHLEAGKSDAEALGEVAYGAEYFRWFAEEAVRLPGRYQGS

>RXN03076 TRANSLATE of: rxn03076.seq check: 6328 from: 1 to: 1590
 MDESRQLSFGTAGLRAPVGPARHQMNVLQVTRTAGVASWLAERAALNPVPHLVPEDETG
 IGRALYPQDGPLRVVVGARYGSHTFAATTAEVFAGAGFEVLLPTPSPTPLIPWLVNK
 HGLDAGVQITASHNGAADNGYKVFLSNGRQLYSELEPELEAHINAVEDPIRVPRTVRPT
 ADQLRRYVDEMVS\VTQDQADLLRVNSERGNLRVYTAHGVGGRAMANAFQFAGFPHTH
 GVKAQQYPDPTFPTVAFPNPEEPSAIELLERAKEKNADILFALDPADRCAVGIRTADG
 GHRMLSGDEVGTLLATRLVPEYSGEGPRPVVATTVSSQLLGIIADEKGWDYSETLTGFK
 NLSRAADGLDGPIAFAYEEAVGTCVPDVVPDKDGISTALFMASWAELKAQGASLQQKL
 NELYRRYGYFASSQIAVRTSSPRELVDHWIAPQQELIGSVTYPHILPEKQGIALHGQVG
 HVIIIRAIGRVSGTEAKAKLYLEVQGASSHDEAAQLHQLEDEVQSWLSKL

>RXN03083 TRANSLATE of: rxn03083.seq check: 465 from: 1 to: 1023
 MAKRIVIIGGGPAGYEAALAGAKYGAEVTVIEDVGVGGSAVTMDCVPSKSFIAVTGIKTD
 LRRADDMGLNRGLGKAHEIDALNIRVKDLAKAQSEDILQLQRSDVRMINGVGRFDDYN
 TKQTTHYIKVTHSDGSEETVECDLVLVATGATPRILKGAEPDGERILTWRQVYDIEELPT
 HLIIVVGSVTGAEFVSAFAELGVKVTMVASRDRILPHDDADAADVLETVLAERGVSLKH
 ARVESVTRTEDGGVCVRTADGREIYGSHALMTVGSIPNTADLGLENIQVELAPSGHIKVD
 RSPAPTSPVCTQQVTVLTYSHWRPLQRCRAVSPCITHSVKA

>RXN03086 TRANSLATE of: rxn03086.seq check: 7524 from: 1 to: 408
 MADQAKLGGKPSDDSNFAMIRDGVASYLNDSPEETNEWMDSLDGLQESSPERARYLMI
 RLLERASAKRVSLPPMTSTDYVNTIPTSMPEFPGDEEMEKRYRRWIRWNAAIMVHRAQR
 PGIGVGGHISTYAGAA

>RXN03087 TRANSLATE of: rxn03087.seq check: 9553 from: 1 to: 213
 MKIYAPFAGIVHYFVDEGDPVETGMQLGTVETIKLEAPIMAPGPGIVAKVSFDDFSDVTG
 GDELLELEAKN

>RXN03096 TRANSLATE of: rxn03096.seq check: 423 from: 1 to: 402
 MVLVWSKAFWRDRKDAPDGATALARPAPLVDIODEVAVKDRNDVGRMPWGMVFSTALLVS
 ASLAVSVLAGPLSSITGRAESAQDVNIYRAAVLGPTTSTHHAHSRWSVTTPTAMTSTTA
 STPMERRTNHDQWI

>RXN03101 TRANSLATE of: rxn03101.seq check: 8362 from: 1 to: 582
 ILADEDDTVGVAVIARIGDANAAAAPAEAAAEEAPAEPEPVKEEPKKEAAPAATGAA
 TDVEMPELGESVTEGTITQWLKAVGDTVEVDEPLLEVSTDKVDTEIPSPVAGTIVEILAD

EDDTVDVGAIVIARIGDANAAAAPAEEEAAPAEEEPAVKEEPKKEEPKKEAATTPA
AASATVSASGDNVP

>RXN03112 TRANSLATE of: rxn03112.seq check: 9249 from: 1 to: 504
VEIFGKTVGIVGFHIGQLFAQRЛАAFETTIVAYDPYANPARAAQLNVELVELDEMSRS
DFVTIHLPTKETAGMFDAHLLAKSKKGQIIINAARGGLVDEQALADAIESGHIRGAGFD
VYSTEPCTDSPLFKLPQVVVTPLGASTEEAQDRAGTDIADSVLKALA

>RXN03117 TRANSLATE of: rxn03117.seq check: 3867 from: 1 to: 1512
MITHEVRTHRSAEEFPYKKHLAHKMARVAADPVEVAADTQEMIITRIIDNASVQAASVLR
RPVSSARAMAQVRPVTDGRGASVFLPGRYAAEWAALANGTAVRELDHFHTFLAAEYSHP
GDNIPPILAAQQAGKGGKDLIRGIATGYEIQVNVLVRGMCLHEHKIDHVAHLGPSAAAGI
GTLLDDVDTIYQAIGQALHTTATRQSRKGAISSWKAFAFAGKMSIEAVDRAMRGE
APSPIWEGEDGVIALLSGLDHIYTIPPLAEGEAKRAILDTYTKEHSAEYQSQAPIDLAR
SMGEKLAQGQLDLRDVDSIVLHTSHHTHYVIGTGSNDPQKFDPDASRETLDHSIMYIFAV
ALKDRAWHHERSYAPERAHRRRETIELWNKISTVEDPEWTRRYHSVDPAEKAFGARAVITF
KDGTVVEDELAVANAHPPLGARPFAREQYIQKFRTLAEGVVSEKEQDRFLDAAQRTHELED
LSELNIELDADILAKAPVIPEGLF

>RXN03144 TRANSLATE of: rxn03144.seq check: 7951 from: 1 to: 900
TTTATRQSRKGEISSWKAFAPAFAGKMAIEAMDRAMRGEGPSAPIWECEGVIAWLLSCK
DHVYHVPLPEHGEPKLGILETYTKEHSAEYQSQAPIDLARRMKPLVDAAGGTEHIAEIVL
RTSHHTHYVIGTGANPQKMDPQASRETLDHSIMYIFAVALQDGVWHHEFSYTRKRSTRP
ETVELWHKIRTVEDPEWTRRYHSDDPAKKAFGAKAVITMADGTVIEDELAVADAHPPLGAR
PFARENYIEKFRTLAQGIVIDSEQERFLHAVQSLPDLDLQNLIEVDISNQAATKAGLL

>RXN03150 TRANSLATE of: rxn03150.seq check: 9986 from: 1 to: 624
VEAQFTSPLLNNQTCFLGTRILAPKSRYAEVDAFTAFAGSLQVGVTSSPDTQIGPMAT
ARQRERVESYISQGKNAGARITVGGSRPRDLDAGFFVEPTVFADVDNRAIAQDEIFGPV
PSVSVSYQDDEHAIQLANDSEFGLGGTVWTSDPERGAALARRVHTGTIGINRYIPDPAAPF
GGVKNSGLGRELGPEGLASYQETQTIYL

>RXN03179 TRANSLATE of: rxn03179.seq check: 7214 from: 1 to: 666
AREAWRIFMSHWDLYAGTATGYWVEQEFEHVGINAERLNVGTPEHADAI FDELTDLAK
PDFRPRALAEQFNLEVLAATTDDPLDDLADHKALADDPTFSPRVLPTFRPDAYTKMYNAGW
AEKTTKLIDTAGDGKAGWEGYLQAMRNRRQYFINHGATSAHGLHDTDTTPLSHKDQKI
LDKGLAGTATLAEMHAFEANTTYRSRKCPRRRLVMTIHQVCT

>RXN03180 TRANSLATE of: rxn03180.seq check: 39 from: 1 to: 510
FGENKDLISDSSFNRWLRTVSLGSTQDADMAAASNLAANSKMARQNTRDILDAVSDGGVM
LGRNGALVLPVVGTLLHIKFIAPLNKVERVMYKTGLSEAAAAEQCALEDRLEEMAHAL
YQWNPGRDENYDLVINTGSMTYEQIVDLVVETYARKYPLHVRIIPNGKDQ

>RXN03186 TRANSLATE of: rxn03186.seq check: 9438 from: 1 to: 210
MADQAKLGGKPSDDSNFAMIRDGVASYLNDSDEETNEWMDSLDGLLQESSPERARYLML
RLLERASAKR

>RXN03187 TRANSLATE of: rxn03187.seq check: 1211 from: 1 to: 279
VAVSDFSTDLPNQIREWVPGDYTVLGADGFGFSDTRPAARRFFNIDAESIVVAVLNSLAR
EGKIDVSVAQAEEFKLDDPTSVSDPNAPEE

>RXS00584 TRANSLATE of: RXS00584.seq check: 7788 from: 1 to: 1125
MHSPERQEKMSSPVSLEAASTSNSKRVVAFHELPSPTDLIAANPLTPKQASKVEQDRQDIADIFAGDDD
RLVVVVGPCSVHDPEAAIDYANRLAPLAKRLDQLKIVMRVYFEKPRTIVGWKGLINDPHLNETYD
GLRIARKVLIDVVNLDPVGCEFLEPNSPQYYADTVAGAIGARTTESQVHRQLASGMSMPIGFKNGTD
GNIQVAVDAVQAAQNPFFGTSDDGALSVETAGNSNSHIIILRGGTSGPNHDAASVEAVVEKLG
LMIDASHANSGKDHIRQVEVVREIAEQISGGSEAVAGIMIESFLVGAQNLDPAKLRINGGEGLVYQ
VTDKCIDIDTTIDLLAELAAAVRERRAAK

>RXS01260 TRANSLATE of: RXS01260.seq check: 3260 from: 1 to: 1182

VTFNYEDAHKRSRGVSDKIVGGVHILMKKNKIEIHLGNFKDAKTLEVDGKDAGKTITFDDCIATG
 SVVNTLRGVDFSENVVSFEEQILNPVAPKKMVIVGAGAIIGMEFAYVLGNYGVDTVIEFMDRVLPNEDA
 EVSKVIAKAKKMGVKLLPGHATTAVRDNGDFEVVDYQKKGSDKTETLTVDRMVSVGFRPRVEGFGLE
 NTGVKLTERGAIEIDDMRTNVDGIYAIGDVTAKLQLAHVAEAQGIVAAETIAGAETQTLGDYMMMPRA
 TFCNPQVSSFGYTEEQAKEWPDRREIKVASFPFSANGKAVGLAETDGFAKIVADAEGELLGAHLVGAN
 ASELINELVLAQNWDLTTEEISRSVHIHPTLSEAVKEAAHGISHMINF

>RXS01261 TRANSLATE of: RXS01261.seq check: 5376 from: 1 to: 171
 VTEHYDVVVLGAGPGGYVSAIRAAQLGKKVAVIEKQYWGGVCLNVGCIPSKVSDQKR

>RXS01758 TRANSLATE of: RXS01758.seq check: 8853 from: 1 to: 1017
 MPKYIAMQVSESGAPLAANLVQAPLKSREVREIAASGVCHADIGTAAASGKHTVFPVTPGHEIAGTI
 AEIGENVSRWTVGDRVIAIGWFGGNCGDCAFCRAGDPVHCRERKIPGVSYAGGWAQNIVVPAEALAAIPD
 GMDFYEPAWMGAGVTTFNALRNLKLDPGAAAVAVFGIGGLVRLAIQFAAKMGRYTITIARGLEREELAR
 QLGANHYIDSNDLHPGQALFELGGADLILSTASTTEPLSELSTGLSIGGQLTIIGVDDGDIIVSAAQLM
 MNRQITGHLTGSANDTEQTMKFAHLHGVKPLIERMPLDQANEAIARISAGKPRFRIVLEPNS

>RXS02574 TRANSLATE of: RXS02574.seq check: 9855 from: 1 to: 1008
 LARAQIPEQQRDQVASLMMVGVANYDQALDALNQGVGGFIGSWTDENLLTEPGRNIEALREAVGRDFS
 VSIDFEGRVQRATNILGDFPSPRVMAQTMTPEQVEDLAEILGTGLAAHGVTVNFAPVVDVDAWGLPVV
 GDRSFNSNDPAVAATYATAFAKGLSKVGVITPVFKHFPGRASGDSHTQDVVTPALDELKYDLIPYGQA
 LSETDGAJVGMGHMIVGLGTDGVPSIDPATYQLLRSQGDYPGGVPFDGVIYTDDSLGSMAISATHSPA
 AVLASLKAGADQALWIDYGSLSAIDRVDAAVSSGEYPQEQLASALRVQLLYITRLEQK

>RXS02735 TRANSLATE of: RXS02735.seq check: 6182 from: 1 to: 705
 MVDVVRARDTEDLVAQAASKFIEVVEAATANNTAQVVLGGAGIKLLEKLSVDAADLAUDRIHVFFG
 DERNVVPSDSESNEGQAREALLSKVSIPEANIHYGLDVDLAEEAARAYEAVLDEFAPNGFDLHLLGMG
 GEHINSLFPHTDAVKESSAKVIAVFDSPKPPSERATLTLPAVHSAKRVWLLVSGAEKAAAAIVNGE
 PAVEWPAAGATGSEETVLFADDAGNL

>RXS03215 TRANSLATE of: RXS03215.seq check: from: 1 to: 1008
 IDVVSVVANFLHREIVEALLASGKHVLCEKPLSDTIEDAEAMIEAAGRAATNGTIARIQLTYRRSPGV
 AHIRDLVQSGELGKVLHVTGHYWTDYGSNAQAPISWRYKGPNNGSALADVGSHLTYLAEFVAGSDFAAV
 RGGQLSTVITERPKPLGAIVGHEGGAVSDEYEAVENDDIASFSGSFIGGGTATLQVSRIISQGHPTNLGF
 EVFCEKGSVLFDFRNSGEFKIFTPATSGDISQEAGYRTITIGPKHFWRGGLAMDAPGVGIGQNEGFW
 QARAFLEEIAIGISEAESLPRCATLEEGLHNMQLIDAVSQSAAAGGETVAVPAAALIPANN

>RXS03224 TRANSLATE of: RXS03224.seq check: from: 1 to: 1158
 MSFAEHAIIWVYPLGALGAPIRPEAPAPVTHRLPNLIGWLDYVVELCNALMLGPVFESVSHGYDTLD
 FYRIDPRLGTEEDMDALLEANQRGIGVLFDGVNHWSSSSKYLDLTTGASFEGHDLAELDHTNP
 DLVVDVMNHWLDRGIAGWRLDavyAIAPWFWEKVLPEVRKHPHAWIVGEMIHGDYSDYVKSSGIDS
 EYELWKAIWSSIKERNFFELEWTLSRHNEFLDTFVQTEIGNHDVTRIATRIGQSNAILAAAILFTVGG
 TPSIYYGDEQGFTGLKEDNVFGDDAIRPPLPAEFSPPLGTWIENIYKALIALRRQHPWLYQAHTEV
 NEAMTYKSVGLGGEELTVHLDLEEVSVRILDGEKVLFQYSA

>RXC00233 TRANSLATE of: RXC00233.seq check: 7055 from: 1 to: 417
 MSVNEADLNAVEEQLGRAPRGVLDISYRSPDGPGVVMTAPKLDGTPFPTLYLTDPRLTTEASRLEV
 ALVMKWMTDRLSTDEELRADYQRAHEHFLAKRNAIEDLGTDFSGGGMPDRVKCLHVLIDYALAE
 GPHHF

>RXC00236 TRANSLATE of: RXC00236.seq check: 116 from: 1 to: 726
 MVISFVGWALSFMGDTAPIRQLQQIPEDVPPARGVEVVPQIDTEADGRTSNHLRFWAEP
 IAQDTGVSAQAIAYGNAELIASLAWPGCNLGWNTLAGIGQVETRHGTYN
 GKMFGGSSLDENGVATPPIIGVPLDGSPGF
 AEIPDTDGGELGDTEYDRAVGPQMFI
 PETWRLMGLDANGDGVADPNQIDDA
 ALSAANLLCSNDRDLST
 PEGWTAAVHSYMSNQYLM
 DVRAAASYALRQPAI

>RXC00271 TRANSLATE of: RXC00271.seq check: 7582 from: 1 to: 990
 MFSSRSKVLASIIFTVGALALASCSSDSSSTDAAGGDSYR
 VGINNQLVQHPALDAATTGFKEAF
 EEA
 GVDVTFDEQNANGEQGTALT
 ISQQFASDNLDL
 VLAVATPAAQATAQ
 NITDIPV
 LFTA
 VDA
 SAE
 LVDS
 NEAPGGNVTG
 TSDI
 APIEQ
 QLELLQQL
 VPD
 AKS
 SIG
 IGY
 AS
 GE
 VNS
 SQV
 DE
 VT
 KAA
 EPL
 GLS
 VNT
 QT
 VT

TVNEIQQAVEALGDVDVIYVPTDNMVSGISSLVQVAEQKQIPVIGAESGTVEGGALATLGIDYTELGR
QTGEMALRILQDGEDPATMPVETATEFTYVINEDAAERQGEIPOEILDKAERV

>RXC00338 TRANSLATE of: RXC00338.seq check: 9343 from: 1 to: 1140
VSDVTVGDIRRILEAYPPALAESWDVKGLICGDPTESVKRVLGLALDCQAVALKAVDMGLDMLIIHHP
LLLGVTSVAADEPKGVIHTLIRGGVALFSAHTNADSARPGVNDKLAELVGITAGRPIATRLLGGMDK
WGVHVLPKDAAYLKKMLFDAGAGAIGDYRECAFEIEGTGQFRPVEGANPAEGDVDKLFKSLELRIFVA
PRNLRARLTSVLREAHPYEEPAFDIVEMHSAESLENATGLGRVGEPEPMRLADFVQQVANNLPVTEWG
VRATGDPEQMVSRAVSSSGGDSFLNDVIKLGVDVYVTSDLRHPVDEYLREGGPAVIDTAHWASEFPW
TSQAQEILQDKAPQEVDVISIRTDPWMSARAVN

>RXC00362 TRANSLATE of: RXC00362.seq check: 1707 from: 1 to: 1347
MGIIALLVFIAIAVILNVFLKRDISEALLVGLVGTALVGGVNAPTLLIDAVVDAAQSEVTFAGMAFVFM
GIVVQSTGLIDRLIAILNSIFGRLRGGAGYVSTLGSALIGLAGSTAGNSATVGSVTIPWMKKTGWTAE
RSATLVAGNSGLGVALPPNSTMFIIILALPAAAASSASQVYIALACGGAYAVLYRLAVVFWTRKDIPA
TPDDQRVSFGREAMKTGWRSPPLIFLGILIPVILTIGPLSEWLKTHGVGESGVKSMSIIWWVPIITAL
IEGRKRRIANNMAHFVQISKDLPQFATVGISLFSALAAAANIMEELGVGPQLSNWLDSMDLPKSVMVII
CIMCIVVATPLSSTATAAAIGAPAVAALAAVGIDPTVAIVVILLCTSTEGASPPVGAPIYLSAAIADAN
PTKMFVPLITYFVVPMILLAWLVMGFLPVIVPTG

>RXC00412 TRANSLATE of: RXC00412.seq check: 7568 from: 1 to: 1080
VSHTASTPTPEEYSAQQPSTQGTRVEFRGITKVFSNNKSAKTTALDNVTLTVEPGEVIGIIGYSGAGKS
TLVRLINGLDSPTSGSLLNGTDIVGMPESKLRKLRNSIGMIFQQFNLFQSRTAAGNVEYPLEVAKMDK
AARKARVQEMLEFVGLGDKGKNYPEQLSGGQKQRVGIARALATNPTELLADEATSALDPETTHEVLELL
RKVNRELGITIVVITHEMEVRSIADKVAVMESGVVVEYGSVYEVFSNPQTQVAQKFVATALRNTPDQV
ESEDLLSHEGRLEFTIDLTSFFAATARAAEQGAFVNIVHGGVTTLQRQSFGKMTVRLTGNTAAIEEF
YQTLTKTTTIKEITR

>RXC00526 TRANSLATE of: RXC00526.seq check: 7744 from: 1 to: 690
MSLITEMRNIVKTYNIGSEGEITVLHGVDHVDRGEFVSVVGTSGSGKS'TMMNIIGLLDKPTDGTYTLDG
VDVLDISDDALASHRAKSIGFVFQNLFNLIGRIDALKNVEMPMYAGIFAKQRRSRAVELLEMVGMGERL
NHEPNELSGGQKQRVIAARALANDPEIILADEPTGALDSATGRMVMDFHQLNKEQGKTIVFITHNPEL
ADESDRVVTMVDGRIIGSEVKHS

>RXC01004 TRANSLATE of: RXC01004.seq check: 9066 from: 1 to: 1062
VSIWATVLLIIVLLSANAFFVAAEFALISSRRRLDLSVSQGKKGAEKVLYATEHLSIMLAGAQFGITV
CSLILGKVAEPAIAHIEVPFTSWGPNDLIHPISFVIALAIITWLHILFGEMVPKNIAIAGPETLGMW
LAPVLIAFVKITRFLIEFMNWIARLTLaFGVVEQKNELDSTVDPEQLASMISESRSEGLLDAEEHARIS
KALRSEQRSIKELVIKDEDVRTLAFGKSGPTLHQLEEAVRETGFSPVTGRDGSYLGYIHIKDILPRL
ADPEMDPSETIPRSALRPLSNVDADGLMDDVLDFMHYRSAHMAQVRLKGELLGVITLEDLIEEYVGTVN
DWTHESSDD

>RXC01017 TRANSLATE of: RXC01017.seq check: 6264 from: 1 to: 609
MAQKVTFWFDTTCPFCWVTSRWISEKEVQVDIEIQWVPMSLAVLNEGRLPEDYKERMKAAGPARVFA
AVATDHADKLGDLYTAMGTRIHNDGRGPIEGSFNDVIAEALEEVGLDAALGEVADTTEWDDALRAFHQT
AMDEVGNDVGTVVKLGDTAFFGPVLTRIPRGEAGEIFDASFKLASYPHFFEIKRSRTENPQFD

>RXC01021 TRANSLATE of: RXC01021.seq check: 6144 from: 1 to: 522
MSSSESSRSEGSQPAPSVQPERRADSTGAPAAASKEASQMDAAGVLEWARTAVEQLSERRAEINALNV
FPVPDADTGSNMTYTMALDEALKLGELGDVARITEALAVGSVRGARGNSGVVLSQVLRAIAQAAADG
VIDGHTIQUEALSIARSLSVDRAITDPVEGTVVTVLRS

>RXC01212 TRANSLATE of: RXC01212.seq check: 3583 from: 1 to: 924
MPMTTTPAIDVTDLVRTYGDYTAVKGLNFHVQRGEVFGLLGTNGAGKTSTLEVIEGLSAPSSGTVRISG
LDPVADRAILRPELGIMLQSGGLPSQLTVAETMDMWHTCTYPRAIKDVLADVLLHRENVKVGALSGG
EQRRLDLACALLGDPSILFLDEPTTGLDPESRHTWQLLLDLKQRGVTMMLTTHYLEEAEFLCDRIAIM
NAGEIAVEGTLDLAREKSIISFVLRGQVELPVLSGAEIIRDNNHVRIATTTLQQHTLEILTWAET
GIALEGFAAKPATLESVFMDIASLENTSLQTA

>RXC01306 TRANSLATE of: RXC01306.seq check: 7259 from: 1 to: 1008

MTEWYVVLPATILLIALSAFFVIIEFALLAARRNRLEETVETSRSRAALRSLNELTLMLAGAQLGITM
 VTFALGAIKPVWVHYALMPLFEWARIPLVMADIAFILSLFIVTFLHVIGEMAPKSWIAIHPETALRT
 IAIPARGFINLFRPLLQWINKMANDLVRKVGETPVDRAAAGGYDTDTLHALIEHSRETGALDQQSAAQI
 SGIIKLDKITVGQTLTASPFTHSASATVAEVQAAAQRSGSLRVLIDAPSHLFPHVIHVRDTLGASPDEK
 ASKWSRPILTVAETDTLHQALEYMREHNEQISAVLSADGKTVLGVITWDHILKYLWPASV

>RXC01366 TRANSLATE of: RXC01366.seq check: 5562 from: 1 to: 390
 VSQFRCSRPGCGKPAVATLTYAYSDSTAVVGPLAPAAEPHSWDLCEHHAERITAPLGWEMLRVNDIKV
 DDDEDLTALAQAVEREAGRTVGLVPEDEVGGNHPVNRSARIAEQKVHRRGHLYVVPDQDES

>RXC01372 TRANSLATE of: RXC01372.seq check: 5614 from: 1 to: 591
 QDTFVLPTLPTAAGLSPARIVASISTLLDLEADPSIISDRLEHLADCIDEEVESLSPERDELVNPGRK
 LRAYVDHARIHGRTDVGLAIANVIAPIWTRRGLVSAVLDPELMESLPELRGPEPITDDIFHDPFID
 DEPGVVPFRAVVWAEEEPGIPDAMAQSCDGPSKGALTQALLLVRGQSATTYSIEEKDL

>RXC01659 TRANSLATE of: RXC01659.seq check: 8569 from: 1 to: 546
 VAGVAQRFVDERIHVGGLDSMPEAVTAVWMESDWVLAETIKGSTPSDWEELRLPLALLTDASFTLPPRST
 RAQTLDLKHLEPSRLKPEQPEKPAFTPNASEEDLSQPLVIRPEEPLQMPVRGVQESRGVVEPRSLGADD
 VESIAEGDPERPSDLYGTRVLRLNGQSSIFQDSTDADEPKKW

>RXC01663 TRANSLATE of: RXC01663.seq check: 7844 from: 1 to: 858
 MEISVLIIAALILVAGIVLWRADSSKQAAKKAESPVGSVAPAPVVLVEEPDPEFEPELDEPEPEAQPEPE
 LEVAPRFAPEPVQDLEPDQAEIDIYFDDSPELDADVENALAELETVEVEDYPEEPVQSEQPQAPATAEVAAD
 EEQRGVDKHSFLSSLPGSQRRERRNWAAKHHDFIKAFLTDEWSRGAASTGAVARDVVGMAEGYET
 HLVDLAGVPVMAMRRGITSVVVIDARRGEQPADPEREESDDLVEIDTVSGFRLLSTWRGLRSVLSTSÆF
 TSVWI PCQKL

>RXC01693 TRANSLATE of: RXC01693.seq check: 6379 from: 1 to: 1422
 MNTAEEKLEADFASALPTMAAPWQGEEAPNPELVLINNDLAYSLGDLPTWLRTPEGVQFLGLNPEPLT
 KAVAQAYSGHGFQFVASLGDRALLGEARSADGVLDIHLKGSGRTQFSRGADGRAVLGPVLREYII
 SEAMHALGVPTTRSLAVISTGRKIQRGSVAPGAVLVRVATSLIRVGSFQYSNISGGIELSQHLANYIT
 RHFPSLVAELSAPTPATYVSLFKAILQRQADTVGKWTLLFGVHGANLTDNTLISGETVDYGPCAFMERY
 RGDAKESSIDTYGRYKFENQPMILGWNMARLVETLLEILGATPDEGMATAQEALVEFDDLCQAIRKEF
 ATALGLDESDTGTVEQFRELLYLNPDITLLRALTDNTAPPSCFEAFVHDWKTQDPDIEAMRAVNPEF
 IPRNHLVEAALADAVEGNLEKHELLAAVTNPFDPTAGPDELRLPSEEGBEEDYMTFCGT

>RXC01703 TRANSLATE of: RXC01703.seq check: 3504 from: 1 to: 1113
 VAWPSNAKEKLFIHWHYWWQAHYLDCLVDAARRRTKARRDRIRDITRGISVRNVGKLTNSRYYDDKAW
 LALALGRAGKVRKVRTPKSLPSLEQNIVDGIDSITGVLWPRSGETFYNVPNSNGPAAIMMARTDRLDEAM
 KITDWIFDNLIDGDGLVMMDGLRMRMHGPELVRSIHYPYCQGVAIGACLEIALKLERAGLTTVVDHWSD
 ADKAEDSLKYFAHIHAVVQAVSRKMTNFHGVIDWDTGDGGGLFKGILVRYLADVAIRLPDDSPTNRET
 KKIAARLVLESAESVWNHRLEV DGLPVEATDWTTDARLPQNFGLSSSSLSDLVSVRVDERDLSVQLSG
 WMLMEAAKVAEELENNGNSYTGRSR

>RXC02254 TRANSLATE of: RXC02254.seq check: 1030 from: 1 to: 777
 IAVAEEGGLWENLLQHRFGGHGALAGHALGNLIVIAALTDILGTSQHALDQIAQLAGAKGRIIPVCAEPL
 DLEAEVSGLDSDARVMRQVRGQVAVAATPGQVRRVRIIPDNPEPNPAAIEAILDADLVTLGPGSWFSSV
 IPHILVPGIVDALAQTAKATKTVVLNLNTSEPGETAGFSAEERHIHVLQHARNLQVDQVIVDAKTLSSQTE
 RHNVERAARTLGAEVSFHDVQAEDGRGRFTSIHDPAKLCALLASFAGARKR

>RXC02255 TRANSLATE of: RXC02255.seq check: 729 from: 1 to: 936
 VAKNSVRAAEVSAILRFAGEMQAVGGKLVIEANLDSMQVMGMLQEFIQGLYNSRVDVHTVNPTVSRKTP
 RYLVRIIDNADEIARRTGLVTRSGHVVKG LAPSVVSGTISDAEAAWRGAFLANGSLSDPGRSSSLEVLC
 PGQESALALVG CARRIGIAAKTKDSRGFD RVNVRDAEAIGALLTRMGAQKTRMLWEEKRIKRESRTPQT
 GLANFDDANLRRSARA AVAAAARVERAMKILGDDVPEHLAEAGQLRVQHRQASLEELGRLADPQMTKDA
 VAGRIRRLLTMAKDRAEDLKIPDTNSVVTEDLLEEI

>RXC02435 TRANSLATE of: RXC02435.seq check: 470 from: 1 to: 558

VTDNLGSTSIGDAWILYAPLMDGGGPLRAIGGMFLHIGPGHMLLNLLWLLGREIERDFGSALFTA
MYFVGIGASAAVIWMDPYSPTAGASGAIYAMMAILVGLFVLRSADIRAPLILIAINIAYTLMSTNVSL
WGHLGGLITGALITWPMVKAKTQRTRWIIVLIGFAVVVAAILGIDRV

>RXC03216 TRANSLATE of: RXC03216.seq check: 470 from: 1 to: 558
MKGLYNAIFHDRTLPEALAAIKAAGLTGIELNTGGFLPATHIPTIDDILVSDDARDEFLGIFEGTGVD
IYGLNCNGNPLHPNKAIGDKHAEDIRRSIRLAERLGQNRRVTMSGLPGGEPGAKYTNWVVNAWNSAALD
VLDYQWDIAAEFWRETDREAADHGKVVALELHPQNIVFNSADVHKLIDLTGATHVGVELDASHLFWQQM
DPIAVIDHLGELIFHAAAKDVRVNKEWAQLNGVLDNSFRLDPSENRTNLGGDEWANEWPKNSAWDFVA
LGRGHDVAYWTEFLRALHRVDPNMLVNIEHEDVSLGREGGVNEAAKVLIEANKALEESLVS